



# AHA-1 Polyclonal Antibody

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| <b>Catalog No</b>         | BYab-20008                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Isotype</b>            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Reactivity</b>         | Human;Rat;Mouse;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Applications</b>       | WB;IHC;IF;ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Gene Name</b>          | AHSA1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Protein Name</b>       | Activator of 90 kDa heat shock protein ATPase homolog 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Immunogen</b>          | The antiserum was produced against synthesized peptide derived from human AHSA1. AA range:161-210                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Specificity</b>        | AHA-1 Polyclonal Antibody detects endogenous levels of AHA-1 protein.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Formulation</b>        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>             | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Purification</b>       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Dilution</b>           | WB: 1/500 - 1/2000. IHC: 1/100 - 1/300;ELISA 1:5000-20000.. IF 1:50-200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Concentration</b>      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Purity</b>             | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Storage Stability</b>  | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Synonyms</b>           | AHSA1; C14orf3; HSPC322; Activator of 90 kDa heat shock protein ATPase homolog 1; AHA1; p38                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Observed Band</b>      | 38kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Cell Pathway</b>       | Cytoplasm, cytosol . Endoplasmic reticulum . May transiently interact with the endoplasmic reticulum.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Tissue Specificity</b> | Expressed in numerous tissues, including brain, heart, skeletal muscle and kidney and, at lower levels, liver and placenta.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Function</b>           | function:Cochaperone that stimulates HSP90 ATPase activity (By similarity). May affect a step in the endoplasmic reticulum to Golgi trafficking.,induction:By heat shock and treatment with the HSP90 inhibitor 17-demethoxygeldanamycin (17AAG).,similarity:Belongs to the AHA1 family.,subcellular location:May transiently interact with the endoplasmic reticulum.,subunit:Interacts with HSPCA/HSP90 and with the cytoplasmic tail of the vesicular stomatitis virus glycoprotein (VSV G). Interacts with GCH1.,tissue specificity:Expressed in numerous tissues, including brain, heart, skeletal muscle and kidney and, at lower levels, liver and placenta., |

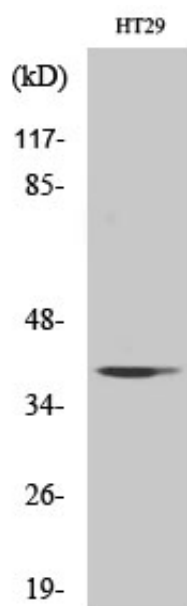
**Nanjing BYabscience technology Co.,Ltd**



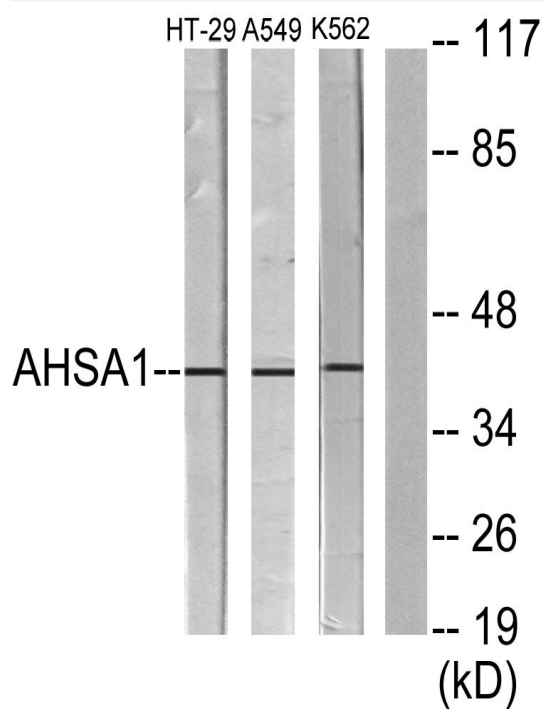
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Background                | function:Cochaperone that stimulates HSP90 ATPase activity (By similarity). May affect a step in the endoplasmic reticulum to Golgi trafficking.,induction:By heat shock and treatment with the HSP90 inhibitor 17-demethoxygeldanamycin (17AAG).,similarity:Belongs to the AHA1 family.,subcellular location:May transiently interact with the endoplasmic reticulum.,subunit:Interacts with HSPCA/HSP90 and with the cytoplasmic tail of the vesicular stomatitis virus glycoprotein (VSV G). Interacts with GCH1.,tissue specificity:Expressed in numerous tissues, including brain, heart, skeletal muscle and kidney and, at lower levels, liver and placenta., |
| matters needing attention | Avoid repeated freezing and thawing!                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Usage suggestions         | This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |



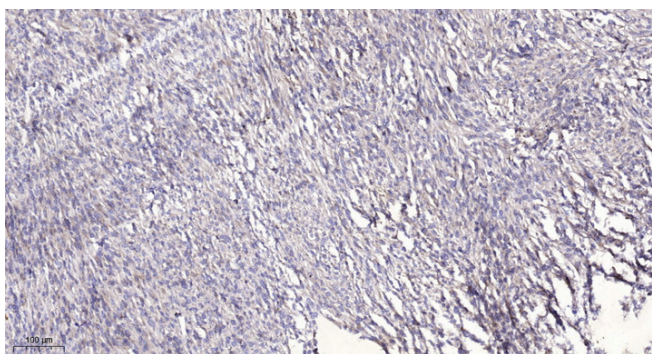
## Products Images



Western Blot analysis of various cells using AHA-1 Polyclonal Antibody diluted at 1:1000



Western blot analysis of lysates from HT-29, A549, and K562 cells, using AHSA1 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human Colon cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).