



# DDX24 Polyclonal Antibody

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>         | BYab-01640                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Isotype</b>            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Reactivity</b>         | Human;Rat;Mouse;                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Applications</b>       | IHC;IF;ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Gene Name</b>          | DDX24                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Protein Name</b>       | ATP-dependent RNA helicase DDX24                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Immunogen</b>          | The antiserum was produced against synthesized peptide derived from human DDX24. AA range:41-90                                                                                                                                                                                                                                                                                                                                                              |
| <b>Specificity</b>        | DDX24 Polyclonal Antibody detects endogenous levels of DDX24 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>           | IHC: 1/100 - 1/300. ELISA: 1/40000.. 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>           | DDX24; ATP-dependent RNA helicase DDX24; DEAD box protein 24                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Observed Band</b>      | 120kD                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Cell Pathway</b>       | nucleolus,membrane,                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Tissue Specificity</b> | Ubiquitous. Most abundant in heart and brain, but with lowest levels in thymus and small intestine.                                                                                                                                                                                                                                                                                                                                                          |
| <b>Function</b>           | function:ATP-dependent RNA helicase .,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the DEAD box helicase family.,similarity:Belongs to the DEAD box helicase family. DDX24/MAK5 subfamily.,similarity:Contains 1 helicase ATP-binding domain.,similarity:Contains 1 helicase C-terminal domain.,tissue specificity:Ubiquitous. Most abundant in heart and brain, but with lowest levels in thymus and small intestine., |
| <b>Background</b>         | DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases. They are implicated in a number of cellular processes involving alteration of RNA secondary structure such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome                                                                                                                                           |

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assembly. Based on their distribution patterns, some members of this family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene encodes a DEAD box protein, which shows little similarity to any of the other known human DEAD box proteins, but shows a high similarity to mouse Ddx24 at the amino acid level. [provided by RefSeq, Jul 2008],

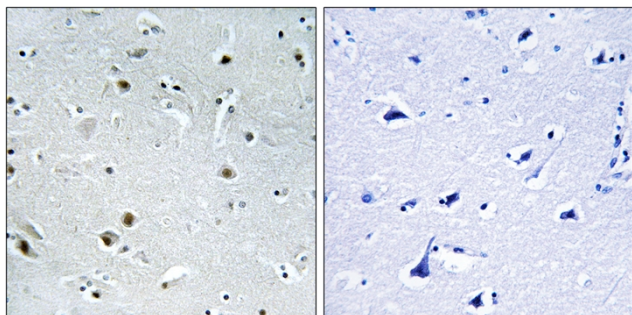
**matters needing attention**

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



Immunohistochemistry analysis of paraffin-embedded human brain, using DDX24 Antibody. The picture on the right is blocked with the synthesized peptide.