



# HSP90 $\beta$ (phospho Ser226) Monoclonal Antibody

|                    |  |
|--------------------|--|
| Catalog No         | BYmab-03555  |
| Isotype            | IgG  |
| Reactivity         | Human;Mouse;Rat  |
| Applications       | WB   |
| Gene Name          | HSP90AB1   |
| Protein Name       | Heat shock protein HSP 90-beta   |
| Immunogen          | The antiserum was produced against synthesized peptide derived from human HSP90B around the phosphorylation site of Ser226. AA range:201-250   |
| Specificity        | Phospho-HSP90 $\beta$ (S226) Monoclonal Antibody detects endogenous levels of HSP90 $\beta$ protein only when phosphorylated at S226.  |
| Formulation        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  |
| Source             | Monoclonal, Mouse,IgG  |
| Purification       | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.   |
| Dilution           | WB 1:500-2000  |
| Concentration      | 1 mg/ml  |
| Purity             | $\geq 90\%$  |
| Storage Stability  | -20°C/1 year   |
| Synonyms           | HSP90AB1; HSP90B; HSPC2; HSPCB; Heat shock protein HSP 90-beta; HSP 90; Heat shock 84 kDa; HSP 84; HSP84   |
| Observed Band      | 83kD   |
| Cell Pathway       | Cytoplasm . Melanosome . Nucleus . Secreted . Cell membrane . Dynein axonemal particle . Cell surface . Identified by mass spectrometry in melanosome fractions from stage I to stage IV (PubMed:17081065). Translocates with BIRC2 from the nucleus to the cytoplasm during differentiation (PubMed:18239673). Secreted when associated with TGFB1 processed form (LAP) (PubMed:20599762). .                                      |
| Tissue Specificity | Amygdala,Brain cortex,Colon,Colon carcinoma,Embryon  |
| Function           | function:Molecular chaperone. Has ATPase activity.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the heat shock protein 90 family.,subcellular location:Identified by mass spectrometry in melanosome fractions from stage I to stage IV.,subunit:Homodimer. Interacts with TP53/p53 (By similarity). Interacts with UNC45A. Binding to UNC45A involves 2 UNC45A monomers per HSP90AB1 dimer., |

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## Background

This gene encodes a member of the heat shock protein 90 family; these proteins are involved in signal transduction, protein folding and degradation and morphological evolution. This gene encodes the constitutive form of the cytosolic 90 kDa heat-shock protein and is thought to play a role in gastric apoptosis and inflammation. Alternative splicing results in multiple transcript variants. Pseudogenes have been identified on multiple chromosomes. [provided by RefSeq, Dec 2012],

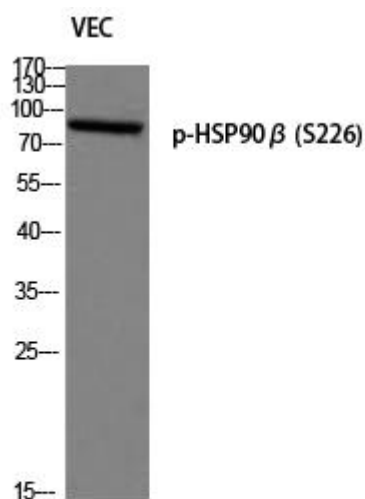
## matters needing attention

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 HSP90  $\beta$  (phospho Ser226) Monoclonal Antibody

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