

HSP90 α Mouse Monoclonal Antibody

Catalog #: EAB10479

| Host/Isotype | Clonality | Applications | MW (kDa) | Reactivity |
|--------------|------------|---------------|----------|-------------------|
| Mouse IgG1 | Monoclonal | WB, IHC-P, IF | 90 | Human, Mouse, Rat |

Applications Dilutions

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| | |
|--------------------------------------|-------------|
| WB(Western Blotting) | 1:1000-5000 |
| IHC-P(Immunohistochemistry-Paraffin) | 1:100-500 |
| IF(Immunofluorescence) | 1:50-300 |

Product Information

| | |
|----------------|--|
| Conjugate | Unconjugate |
| Specificity | HSP90 α Mouse Monoclonal Antibody detects endogenous levels of HSP90 α protein. |
| Purification | Affinity purification |
| Concentration | 1mg/ml |
| Format | Liquid |
| Formulation | In PBS, pH 7.4, Containing 0.02% sodium azide, 0.5% BSA and 50% Glycerol |
| Shipping | Gel Pack |
| Storage | Store at -20°C least 1 year from the date of shipment. Avoid repeated freeze/thaw cycles. Aliquots may be stored at +4°C for 1-2 weeks |
| UniProt ID | P07900 |
| Entrez-Gene Id | 3320 |

Product Description

The heat shock response was first described for *Drosophila* salivary gland cells and morphologically consists of a change in their polytene chromosome puffing patterns that involves de novo synthesis of a few proteins. Similar heat shock proteins were later discovered in bacterial chicken and mammalian cells, and have been subsequently studied in other organisms. A series of proteins, including HSP 90, HSP 70, HSP 20-30 and ubiquitin, are induced by insults such as temperature shock, chemicals and other environmental stress. A major function of HSP 90 and other HSPs is to act as molecular chaperones. HSP 90 forms a complex with glucocorticoid receptor (GR), rendering the non ligand-bound receptor transcriptionally inactive. HSP 90 binds the GR as a heterocomplex composed of either HSP 56 or Cyclophilin D, forming an aporeceptor complex. HSP 90 also exists as a dimer with other proteins such as p60/ST11 and p23, forming an aporeceptor complex with estrogen and androgen receptors.

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