

Hsp90 (Phospho Ser254) Rabbit pAb

CatalogNo: YP0857 Orthogonal Validated 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat, Monkey

Applications

- WB, IHC, IF, ELISA

MW

- 90kD (Observed)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-1:2000**IHC 1:100-1:300****IF 1:200-1:1000****ELISA 1:40000****Not yet tested in other applications.**

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen The antiserum was produced against synthesized peptide derived from human HSP90B around the phosphorylation site of Ser254. AA range: 226-275

Specificity

Phospho-HSP90 β (S254) Polyclonal Antibody detects endogenous levels of HSP90 β protein only when phosphorylated at S254. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):VGsDE

Target Information

Gene name HSP90AB1

Protein Name Heat shock protein HSP 90-beta

| Organism | Gene ID | UniProt ID |
|----------|--------------------------|--------------------------|
| Human | 3326 ; | P08238 ; |
| Mouse | 15516 ; | P11499 ; |
| Rat | 301252 ; | P34058 ; |

Cellular Localization

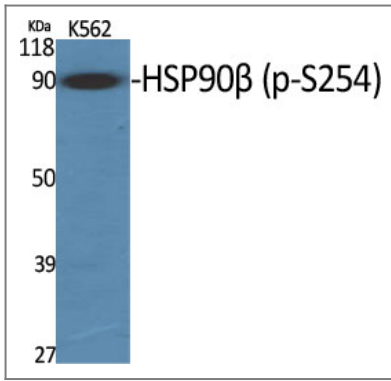
Cytoplasm . Melanosome . Nucleus . Secreted . Cell membrane . Dynein axonemal particle . Cell surface . Identified by mass spectrometry in melanosome fractions from stage I to stage IV (PubMed:17081065). Translocates with BIRC2 from the nucleus to the cytoplasm during differentiation (PubMed:18239673). Secreted when associated with TGFB1 processed form (LAP) (PubMed:20599762). .

Tissue specificity Amygdala,Brain cortex,Colon,Colon carcinoma,Embryon

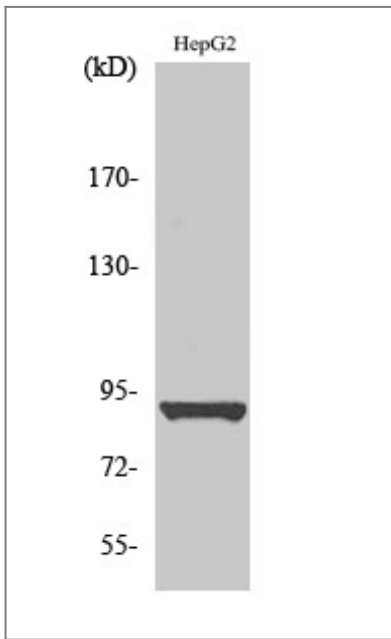
Function

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.,

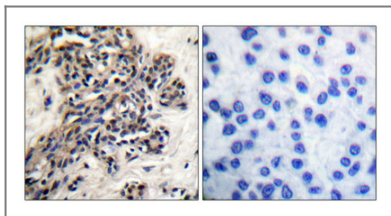
Validation Data



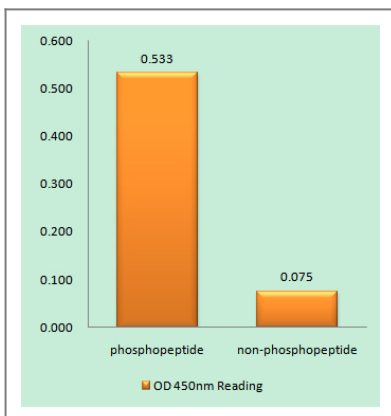
Western Blot analysis of various cells using Phospho-HSP90β (S254) Polyclonal Antibody



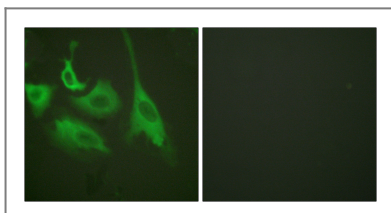
Western Blot analysis of HepG2 cells using Phospho-HSP90β (S254) Polyclonal Antibody



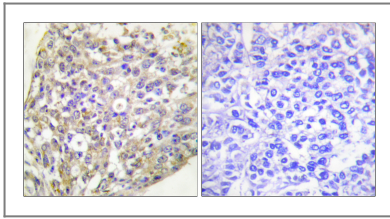
Immunohistochemical analysis of paraffin-embedded Human breast cancer. Antibody was diluted at 1:100 (4°C overnight). High-pressure and temperature Tris-EDTA, pH8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.



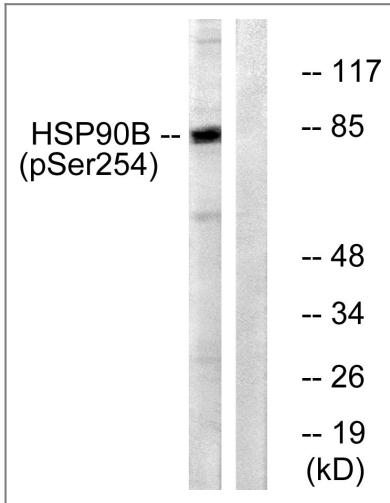
Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using HSP90B (Phospho-Ser254) Antibody



Immunofluorescence analysis of HeLa cells treated with TNF-α 20nM 15', using HSP90B (Phospho-Ser254) Antibody. The picture on the right is blocked with the phospho peptide.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using HSP90B (Phospho-Ser254) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HeLa cells treated with TNF- α 10ng/ml 30', using HSP90B (Phospho-Ser254) Antibody. The lane on the right is blocked with the phospho peptide.

Contact information

Orders: order@immunoway.com
Support: tech@immunoway.com
Telephone: 877-594-3616 (Toll Free), 408-747-0185
Website: <http://www.immunoway.com>
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code to access additional product information:
Hsp90 (Phospho Ser254) Rabbit pAb

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