

HSP90 β (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

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.**

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.

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

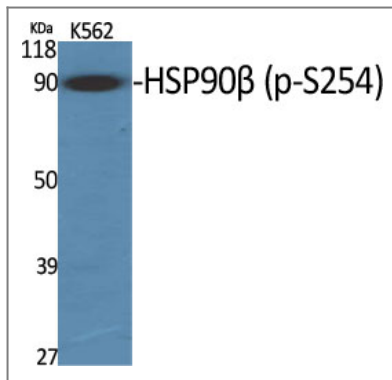
The antiserum was produced against synthesized peptide derived from human HSP90B around the phosphorylation site of Ser254. AA range:226-275

Specificity Phospho-HSP90β (S254) Polyclonal Antibody detects endogenous levels of HSP90β 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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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

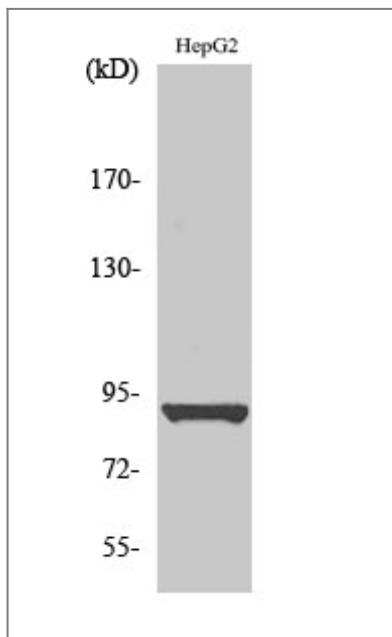
| Target Information

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.,		

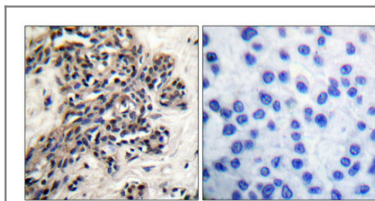
| Validation Data



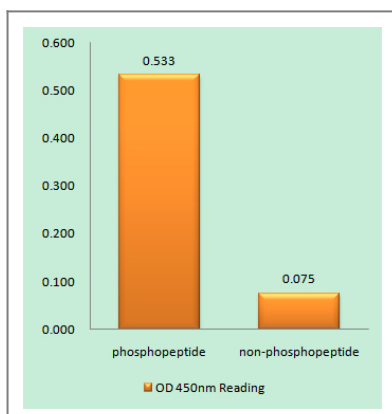
Western Blot analysis of various cells using Phospho-HSP90 β (S254) Polyclonal Antibody



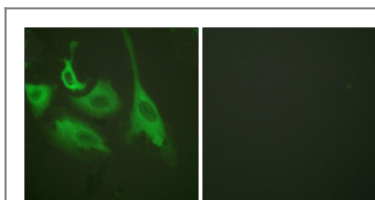
Western Blot analysis of HepG2 cells using Phospho-HSP90 β (S254) Polyclonal Antibody



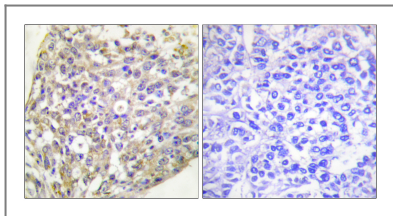
Immunohistochemical analysis of paraffin-embedded Human breast cancer. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.



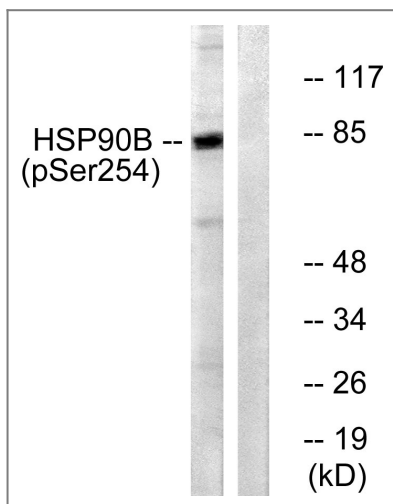
Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using HSP90B (Phospho-Ser254) Antibody



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

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Please scan the QR code to access additional product information:
HSP90 β (Phospho Ser254) Rabbit pAb

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