



HSP90β Polyclonal Antibody

Catalog No	YP-Ab-03916
Isotype	IgG
Reactivity	Human;Mouse;Rat;Monkey
Applications	WB;IHC;IP;IF;ELISA
Gene Name	HSP90AB1
Immunogen	The antiserum was produced against synthesized peptide derived from human HSP90B. AA range:226-275
Specificity	HSP90β Polyclonal Antibody detects endogenous levels of HSP90β protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunoprecipitation: 2-5 ug/mg lysate. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	9 kda heat shock protein beta HSP9 beta;D6S182;FLJ26984;Heat shock 84 kDa; Heat shock 9kD protein 1;beta;Heat shock 9kDa protein 1 beta;Heat shock protein 9 alpha family class B member 1;Heat shock protein 9 kDa;Heat shock protein 9kDa alpha (cytosolic) class B member 1;Heat shock protein 9kDa alpha family class B member 1;Heat shock protein beta;Heat shock protein HSP 9 beta;Heat shock protein HSP 9-beta;HS9B_HUMAN;HSP 84;HSP 9;HSP 9 b; HSP 9b;HSP84;HSP9 BETA;hsp9ab1;HSP9B;HSPC2;HSPCB;HSP90B; HSP90AB1;Heat shock protein HSP 90-beta;HSP 90
Observed Band	90kD
Calculated Molecular Weight	90kD
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.,

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],

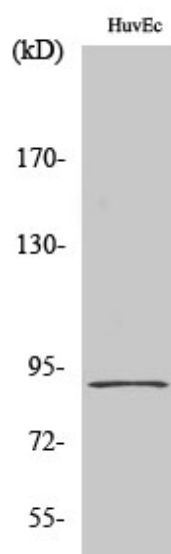
matters needing attention

Avoid repeated freezing and thawing!

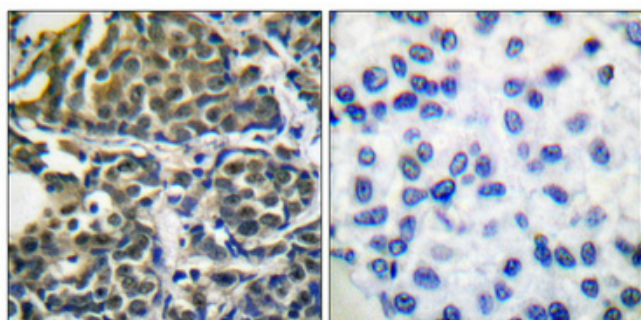
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



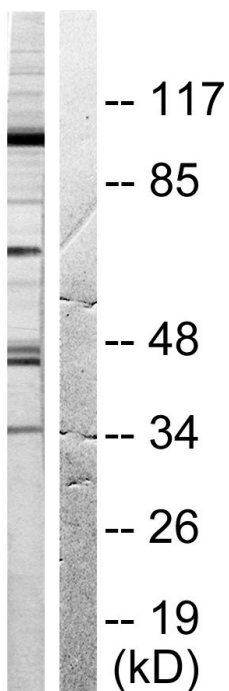
Western Blot analysis of various cells using HSP90β Polyclonal Antibody diluted at 1:2000



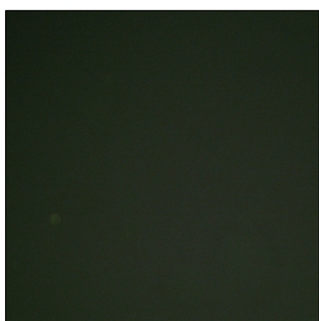
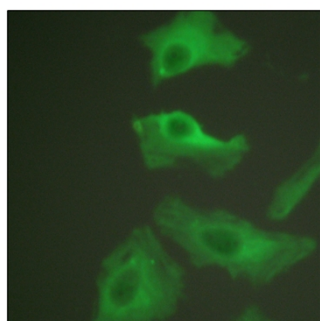
Immunohistochemical analysis of paraffin-embedded Human breast cancer. Antibody was diluted at 1:100 (4° overnight). High-pressure and temperature Tris-EDTA, pH 8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.



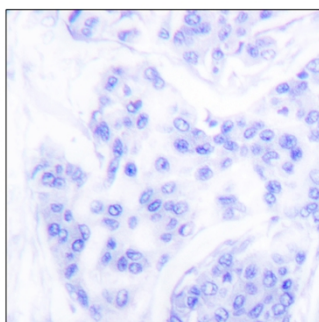
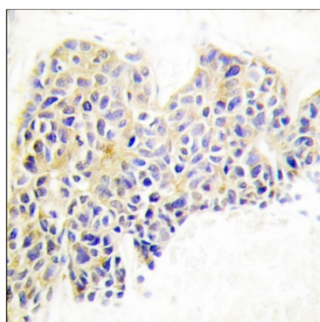
HSP90B --



Western blot analysis of HSP90B Antibody. The lane on the right is blocked with the HSP90B peptide.



Immunofluorescence analysis of HeLa cells, using HSP90B Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using HSP90B Antibody. The picture on the right is blocked with the synthesized peptide.