



Hsp90 β mouse mAb

Catalog No	YP-Ab-03472
Isotype	IgG
Reactivity	Human;Mouse;Rat;Monkey;Hamster
Applications	WB;ICC;IP
Gene Name	hsp90ab1
Immunogen	Purified recombinant human Hsp90 beta protein fragments expressed in E.coli
Specificity	This antibody detects endogenous levels of Hsp90 beta and does not cross-react with Hsp90 alpha and other proteins.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Dilution	wb dilution 1:2000 icc dilution 1:200
Concentration	1 mg/ml
Purity	$\geq 90\%$
Storage Stability	-20°C/1 year
Synonyms	HSP84;HSPC2;HSPCB;D6S182;HSP90B;Hsp90 β ;hsp90ab1;90 kda heat shock protein beta HSP90 beta;FLJ26984;Heat shock 84 kDa;Heat shock 90kD protein 1;beta;Heat shock 90kDa protein 1 beta;Heat shock protein 90kDa alpha (cytosolic) class B member 1;Heat shock protein beta;Heat shock protein HSP 90 beta;Heat shock protein HSP 90-beta;HS90B_HUMAN;HSP 84;HSP 90;HSP 90 b;HSP 90b;HSP90 BETA;HSPCB.
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],

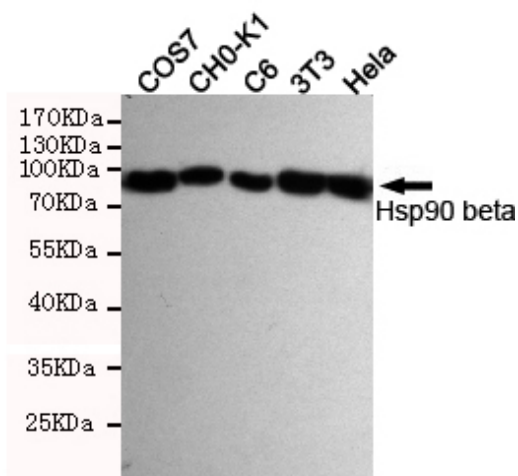
matters needing attention

Avoid repeated freezing and thawing!

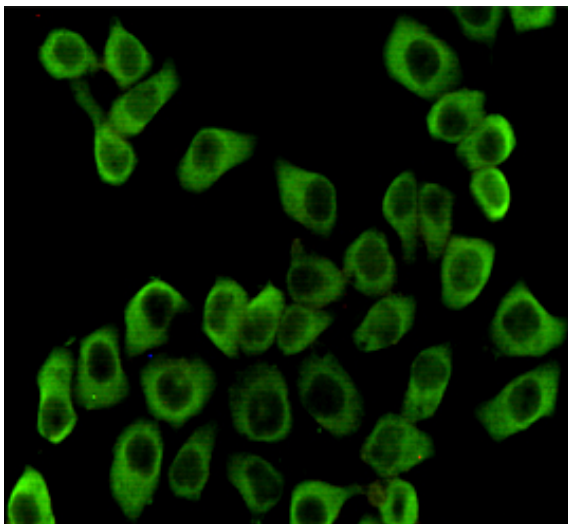
Usage suggestions

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

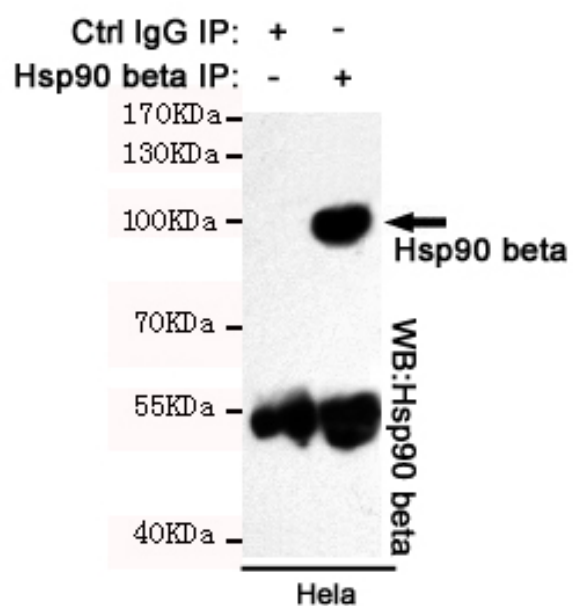
Products Images



Western blot detection of Hsp90 beta in HeLa, 3T3, C6, CHO-K1 and COS7 cell lysates using Hsp90 beta mouse mAb (1:2000 diluted). Exposure time: 4min. Predicted band size: 90KDa. Observed band size: 90KDa.



Immunocytochemistry staining of HeLa cells fixed with 4% Paraformaldehyde and using anti-Hsp90 beta mouse mAb (dilution 1:200).



Immunoprecipitation analysis of HeLa cell lysates using Hsp90 beta mouse mAb.