

Hsp90 β mouse mAb

Catalog No :	YM1399
Reactivity :	Human;Mouse;Rat;Monkey;Hamster
Applications :	WB;ICC;IP
Target :	HSP90B
Fields :	>>Protein processing in endoplasmic reticulum;>>PI3K-Akt signaling pathway;>>Necroptosis;>>Antigen processing and presentation;>>NOD-like receptor signaling pathway;>>IL-17 signaling pathway;>>Th17 cell differentiation;>>Progesterone-mediated oocyte maturation;>>Estrogen signaling pathway;>>Salmonella infection;>>Pathways in cancer;>>Chemical carcinogenesis - receptor activation;>>Prostate cancer;>>Lipid and atherosclerosis;>>Fluid shear stress and atherosclerosis
Gene Name :	hsp90ab1
Human Gene Id :	3326
Human Swiss Prot No :	P08238
Mouse Swiss Prot No :	P11499
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
Dilution :	wb dilution 1:2000 icc dilution 1:200
Purification :	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen. 1 mg/ml

Storage & Stability : -15 °C to -25 °C/1 year (Do not lower than -25 °C)

Observed Band : 90kD

Cell Pathway : Antigen processing and presentation;NOD-like receptor;Progesterone-mediated oocyte maturation;Pathways in cancer;Prostate cancer;

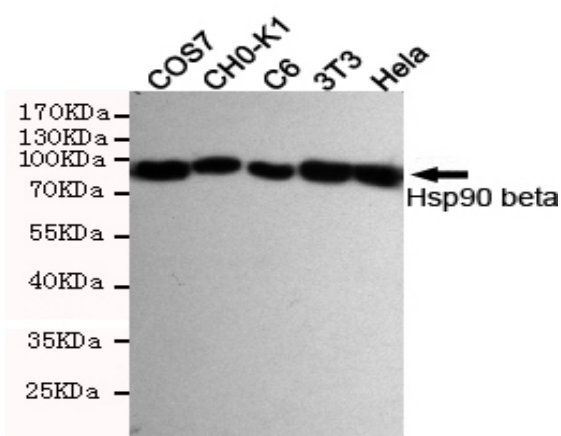
Background : This gene encodes a member of the heat shock protein 90 family; these proteins are involved in signal transduction, protein folding and degradation and morphological evolution. This gene encodes the constitutive form of the cytosolic 90 kDa heat-shock protein and is thought to play a role in gastric apoptosis and inflammation. Alternative splicing results in multiple transcript variants. Pseudogenes have been identified on multiple chromosomes. [provided by RefSeq, Dec 2012],

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.,

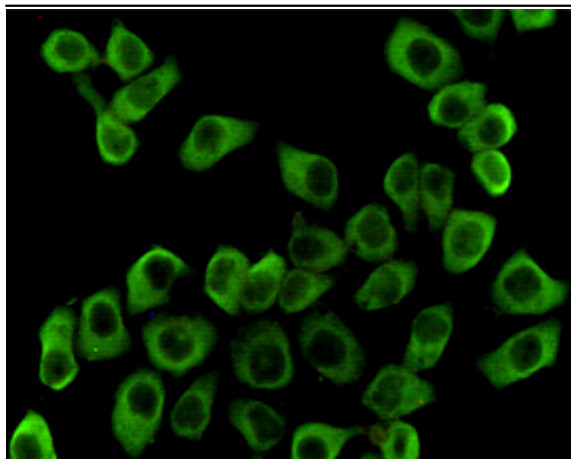
Subcellular Location : Cytoplasm . Melanosome . Nucleus . Secreted . Cell membrane . Dynein axonemal particle . Cell surface . Identified by mass spectrometry in melanosome fractions from stage I to stage IV (PubMed:17081065). Translocates with BIRC2 from the nucleus to the cytoplasm during differentiation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

Expression : Amygdala,Brain cortex,Colon,Colon carcinoma,Embryon

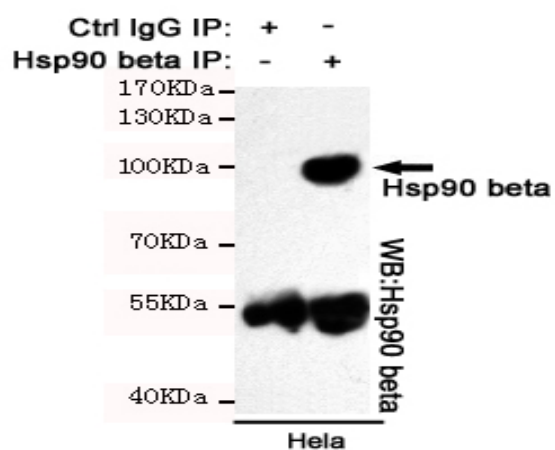
Products Images



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.