

## Hsp90 $\beta$ mouse mAb

<b>Catalog No :</b>	YM1399
<b>Reactivity :</b>	Human;Mouse;Rat;Monkey;Hamster
<b>Applications :</b>	WB;ICC;IP
<b>Target :</b>	HSP90B
<b>Fields :</b>	>>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
<b>Gene Name :</b>	hsp90ab1
<b>Human Gene Id :</b>	3326
<b>Human Swiss Prot No :</b>	P08238
<b>Mouse Swiss Prot No :</b>	P11499
<b>Immunogen :</b>	Purified recombinant human Hsp90 beta protein fragments expressed in E.coli
<b>Specificity :</b>	This antibody detects endogenous levels of Hsp90 beta and does not cross-react with Hsp90 alpha and other proteins.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Monoclonal, Mouse
<b>Dilution :</b>	wb dilution 1:2000 icc dilution 1:200
<b>Purification :</b>	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;

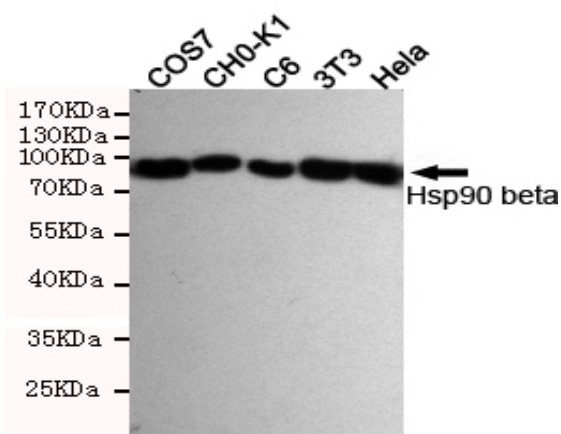
**Background :** This gene encodes a member of the heat shock protein 90 family; these proteins are involved in signal transduction, protein folding and degradation and morphological evolution. This gene encodes the constitutive form of the cytosolic 90 kDa heat-shock protein and is thought to play a 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.,

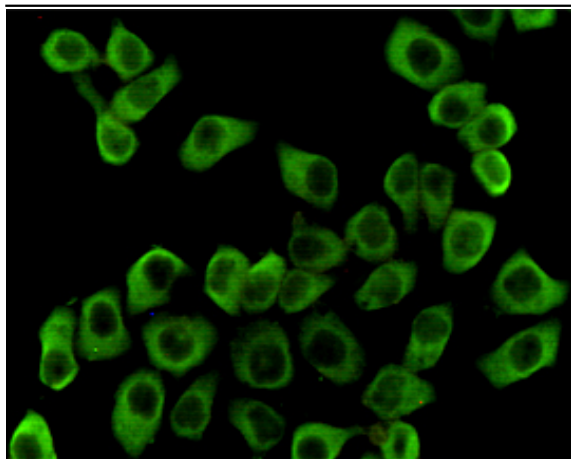
**Subcellular Location :** Cytoplasm . Melanosome . Nucleus . Secreted . Cell membrane . Dynein axonemal particle . Cell surface . Identified by mass spectrometry in melanosome fractions from stage I to stage IV (PubMed:17081065). Translocates with BIRC2 from the nucleus to the cytoplasm during differentiation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

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

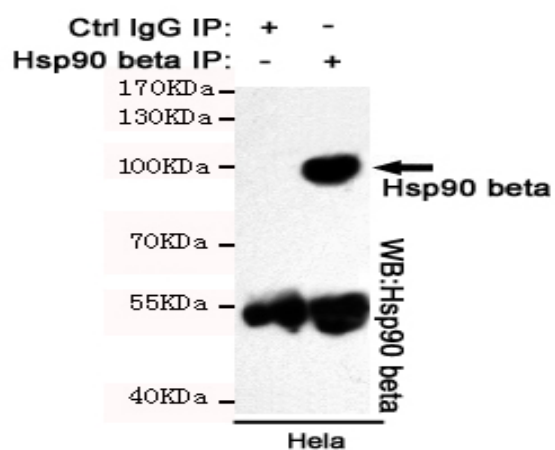
## Products Images



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.