

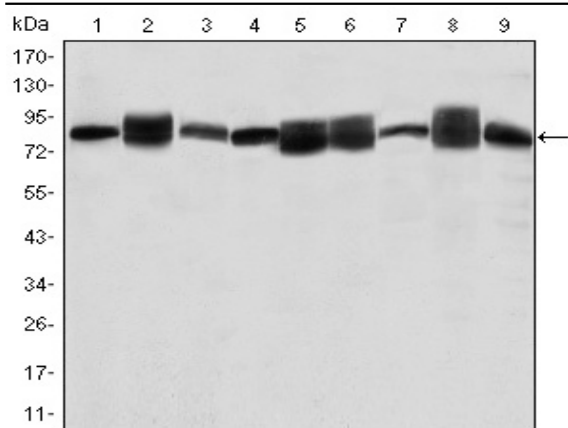
## HSP90 $\beta$ Monoclonal Antibody

<b>Catalog No :</b>	YM0342
<b>Reactivity :</b>	Human;Mouse;Rat;Monkey
<b>Applications :</b>	WB;IHC;IF;FCM;ELISA
<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>Protein Name :</b>	Heat shock protein HSP 90-beta
<b>Human Gene Id :</b>	3326
<b>Human Swiss Prot No :</b>	P08238
<b>Mouse Gene Id :</b>	15516
<b>Mouse Swiss Prot No :</b>	P11499
<b>Rat Gene Id :</b>	301252
<b>Rat Swiss Prot No :</b>	P34058
<b>Immunogen :</b>	Purified recombinant fragment of human HSP90 $\beta$ expressed in E. Coli.
<b>Specificity :</b>	HSP90 $\beta$ Monoclonal Antibody detects endogenous levels of HSP90 $\beta$ protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

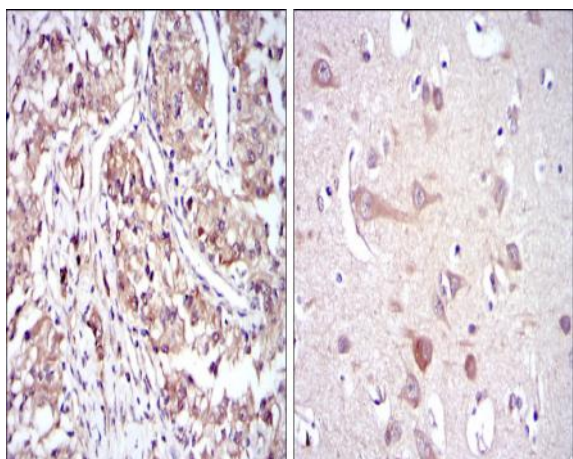
<b>Source :</b>	Monoclonal, Mouse
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:200 - 1:1000. IF 1:200 - 1:1000. Flow cytometry: 1:200 - 1:400. ELISA: 1:10000. Not yet tested in other applications.
<b>Purification :</b>	Affinity purification
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	83kD
<b>Cell Pathway :</b>	PI3K/Akt; Protein_Acetylation
<b>P References :</b>	<ol style="list-style-type: none"><li>1. J Biol Chem. 2009 Dec 18;284(51):35381-9.</li><li>2. Int J Biol Macromol. 2009 Oct 1;45(3):310-4.</li></ol>
<b>Background :</b>	<p>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],</p>
<b>Function :</b>	<p>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.,</p>
<b>Subcellular Location :</b>	<p>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). .</p>
<b>Expression :</b>	Amygdala,Brain cortex,Colon,Colon carcinoma,Embryon

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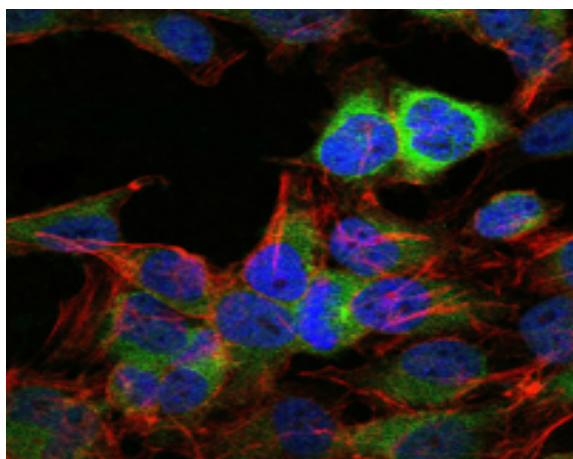
## Products Images



Western Blot analysis using HSP90 $\beta$  Monoclonal Antibody against Jurkat (1), A431 (2), HeLa (3), A549 (4), HEK293 (5), K562 (6), NIH/3T3 (7), PC-12 (8) and Cos7 (9) cell lysate.



Immunohistochemistry analysis of paraffin-embedded kidney cancer tissues (left) and brain tissues (right) with DAB staining using HSP90 $\beta$  Monoclonal Antibody.



Immunofluorescence analysis of HeLa cells using HSP90 $\beta$  Monoclonal Antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

Flow cytometric analysis of Hela cells using HSP90 $\beta$  Monoclonal Antibody (green) and negative control (purple).

