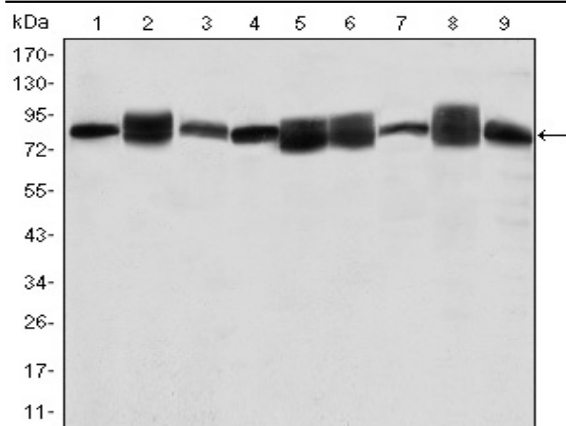


HSP90 β Monoclonal Antibody

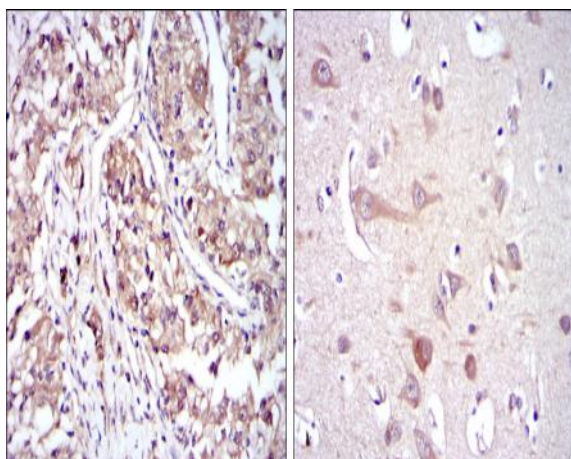
Catalog No :	YM0342
Reactivity :	Human;Mouse;Rat;Monkey
Applications :	WB;IHC;IF;FCM;ELISA
Target :	HSP90B
Fields :	>>Protein processing in endoplasmic reticulum;>>PI3K-Akt signaling pathway;>>Necroptosis;>>Antigen processing and presentation;>>NOD-like receptor signaling pathway;>>IL-17 signaling pathway;>>Th17 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
Protein Name :	Heat shock protein HSP 90-beta
Human Gene Id :	3326
Human Swiss Prot No :	P08238
Mouse Gene Id :	15516
Mouse Swiss Prot No :	P11499
Rat Gene Id :	301252
Rat Swiss Prot No :	P34058
Immunogen :	Purified recombinant fragment of human HSP90 β expressed in E. Coli.
Specificity :	HSP90 β Monoclonal Antibody detects endogenous levels of HSP90 β protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source :	Monoclonal, Mouse
Dilution :	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.
Purification :	Affinity purification
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	83kD
Cell Pathway :	PI3K/Akt; Protein_Acetylation
P References :	1. J Biol Chem. 2009 Dec 18;284(51):35381-9. 2. Int J Biol Macromol. 2009 Oct 1;45(3):310-4.
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

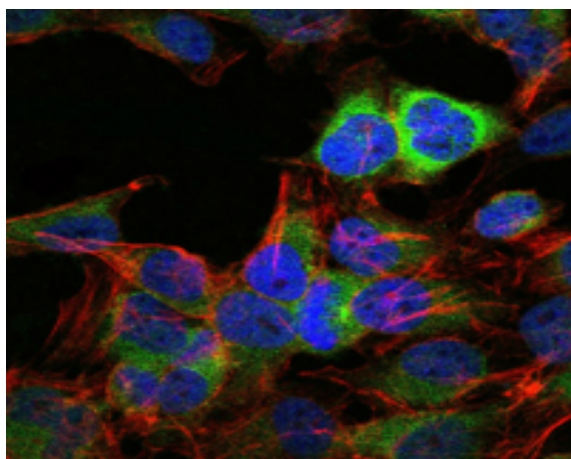
Products Images



Western Blot analysis using HSP90 β 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 β Monoclonal Antibody.



Immunofluorescence analysis of HeLa cells using HSP90 β 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 β Monoclonal Antibody (green) and negative control (purple).

