

**HSP90  $\alpha$  Monoclonal Antibody(1F6)**

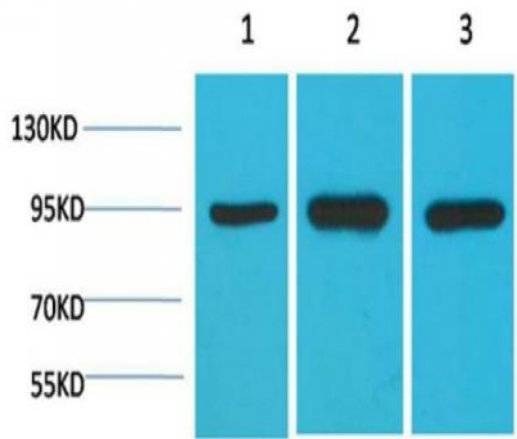
<b>Catalog No :</b>	YM3480
<b>Reactivity :</b>	Human;Rat;Mouse
<b>Applications :</b>	WB;IHC;IF
<b>Target :</b>	HSP 90
<b>Fields :</b>	>>Protein processing in endoplasmic reticulum;>>PI3K-Akt signaling pathway;>>Necroptosis;>>Antigen processing and presentation;>>NOD-like receptor signaling pathway;>>IL-17 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>	HSP90AA1
<b>Protein Name :</b>	Heat shock protein HSP 90-alpha (Heat shock 86 kDa) (HSP 86) (HSP86) (Renal carcinoma antigen NY-REN-38)
<b>Human Gene Id :</b>	3320
<b>Human Swiss Prot No :</b>	P07900
<b>Mouse Swiss Prot No :</b>	P07901
<b>Rat Swiss Prot No :</b>	P82995
<b>Immunogen :</b>	Synthesized peptide derived from the C-terminal region of human HSP90A. at AA range: 660-740
<b>Specificity :</b>	The antibody detects endogenous HSP90 $\alpha$ protein
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Monoclonal, Mouse
	WB 1:500 - 1:2000, IHC 1:100 - 1:300, ELISA: 1:40000,, IF 1:50-200

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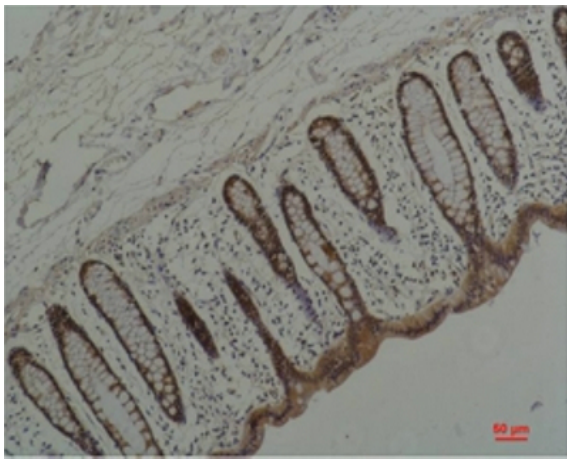
<b>Purification :</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	95kD
<b>Cell Pathway :</b>	Antigen processing and presentation;NOD-like receptor;Progesterone-mediated oocyte maturation;Pathways in cancer;Prostate cancer;
<b>Background :</b>	The protein encoded by this gene is an inducible molecular chaperone that functions as a homodimer. The encoded protein aids in the proper folding of specific target proteins by use of an ATPase activity that is modulated by co-chaperones. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2012],
<b>Function :</b>	caution:Despite classification as a pseudogene, the existence of this protein is supported by unambiguous mass spectrometry evidence.,function:Molecular chaperone.,function:Molecular chaperone. Has ATPase activity.,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 AHSA1, SMYD3 and TOM34. Interacts with FNIP1 and HSF1.,
<b>Subcellular Location :</b>	Nucleus . Cytoplasm . Melanosome . Cell membrane . Mitochondrion . Identified by mass spectrometry in melanosome fractions from stage I to stage IV.
<b>Expression :</b>	Adult brain,Brain,Brain cortex,Breast,Cajal-Retzius
<b>Sort :</b>	7934
<b>No4 :</b>	1
<b>Host :</b>	Mouse
<b>Modifications :</b>	Unmodified

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## Products Images



Western blot analysis of 1) HeLa, 2) Mouse Brain Tissue, 3) Rat Brain Tissue with HSP90  $\alpha$  Mouse mAb diluted at 1:2,000.



Immunohistochemical analysis of paraffin-embedded Human Colon Carcinoma using HSP90  $\alpha$  Mouse mAb diluted at 1:200.