

Product datasheet for **CF500494**

HSP90AB1 Mouse Monoclonal Antibody [Clone ID: OTI4C10]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI4C10
Applications:	WB
Recommended Dilution:	WB 1:2000
Reactivity:	Human, Monkey, Mouse, Rat, Dog
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full-length protein expressed in 293T cell transfected with human HSP90AB1 expression vector
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	83.3 kDa
Gene Name:	Homo sapiens heat shock protein 90 alpha family class B member 1 (HSP90AB1), transcript variant 2, mRNA.
Database Link:	NP_031381 Entrez Gene 15516 Mouse Entrez Gene 301252 Rat Entrez Gene 474919 Dog Entrez Gene 702293 Monkey Entrez Gene 3326 Human P08238



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Background:

HSP90 proteins are highly conserved molecular chaperones that have key roles in signal transduction, protein folding, protein degradation, and morphologic evolution. HSP90 proteins normally associate with other cochaperones and play important roles in folding newly synthesized proteins or stabilizing and refolding denatured proteins after stress. There are 2 major cytosolic HSP90 proteins, HSP90AA1 (MIM 140571), an inducible form, and HSP90AB1, a constitutive form. Other HSP90 proteins are found in endoplasmic reticulum (HSP90B1; MIM 191175) and mitochondria (TRAP1; MIM 606219)

Synonyms:

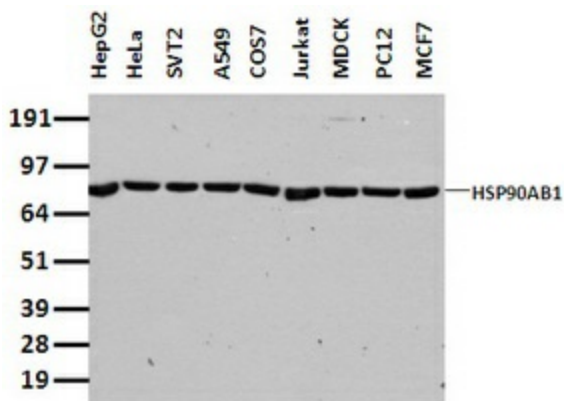
D6S182; HSP84; HSP90B; HSPC2; HSPCB

Protein Families:

Druggable Genome, Stem cell - Pluripotency

Protein Pathways:

Antigen processing and presentation, NOD-like receptor signaling pathway, Pathways in cancer, Progesterone-mediated oocyte maturation, Prostate cancer

Product images:

Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-HSP90AB1 monoclonal antibody.