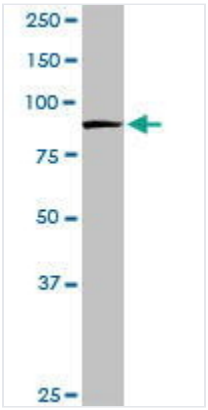
HSP90AB1 Antibody – Rabbit Polyclonal

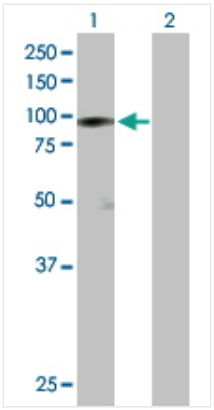
PRODUCT OVERVIEW

Product Name	HSP90AB1, Polyclonal Antibody
Full Product Name	HSP90AB1 (HSP90B, HSPC2, HSPCB, Heat Shock Protein HSP 90-beta, Heat Shock 84kD, FLJ26984) (PE)
Product Gene Name	anti-HSP90AB1 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human HSP90AB1.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo
Chromosome Location	**chromosome:** 6; **Location: <**
OMIM	140572
3D Structure	ModBase 3D Structure for P08238
Immunogen	Full length human HSP90AB1, aa1-724 (NP_031381.2).
Immunogen Sequence	MPEEVHHGEEEVETFAFQAEIAQLMSLIINTFYSNKEIFLRELISNASDALDKIRYESLTDPSKLDSGKELKIDIIPNPQERTLTLVDTGIGMTKADLINNLGTIA
Conjugate	PE
Note	Preservative Free
Product Categories/Family for anti-HSP90AB1 antibody	Antibodies; Heat Shock Proteins
Applications Tested/Suitable for anti-HSP90AB1 antibody	Western Blot (WB)
Application Notes for anti-HSP90AB1 antibody	Applications are based on unconjugated antibody.

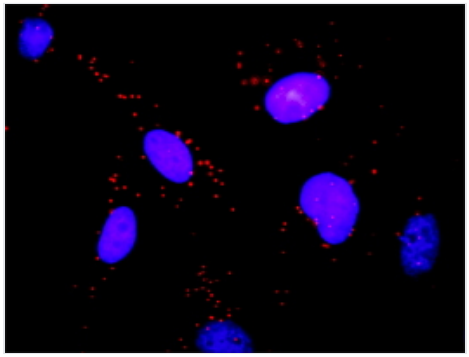
Related Product Information for anti-HSP90AB1 antibody	HSPCB are highly conserved molecular chaperones that have key roles in signal transduction, protein folding, protein degradation, and morphologic ev
Other Notes	Small volumes of anti-HSP90AB1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If ne
Searchable Terms for HSP90AB1 purchase	MBS6381803 is an antibody targeting HSP90AB1. Also known as HSP90AB1 (HSP90B, HSPC2, HSPCB, Heat Shock Protein HSP 90-beta, Heat Sho



Western Blot (WB) of anti-HSP90AB1 antibody
HSP90AB1 rabbit polyclonal antibody. Western Blot analysis of expression in HeLa.



Western Blot (WB) of anti-HSP90AB1 antibody
Western Blot analysis of HSP90AB1 expression in transfected 293T cell line by HSP90AB1 polyclonal antibody. Lane 1: HSP90AB1 transfected lysate (83.3kD). Lane 2: Non-transfected lysate.



Testing Data of anti-HSP90AB1 antibody
Proximity Ligation Analysis (PLA) of protein-protein interactions between HSP90AB1 and FLNA. HeLa cells were stained with HSP90AB1 rabbit purified polyclonal 1:1200 and FLNA mouse monoclonal antibody 1:50. Signals were detected 30 Detection Kit (red), and nuclei were counterstained with DAPI (blue). Each red dot represents the detection of protein-protein interaction complex.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HSP90AB1. It may not necessarily be applicable to this product.

NCBI GI #	20149594
NCBI GeneID	3326
NCBI Accession #	NP_031381.2
UniProt Primary Accession #	P08238
UniProt Secondary Accession #	Q5T9W7; Q9NQW0; Q9NTK6; B2R5P0
GenBank Nucleotide #	NM_007355.2

NCBI Official Full Name	heat shock protein HSP 90-beta [Homo sapiens]
NCBI Official Synonym Full Names	heat shock protein 90kDa alpha (cytosolic), class B member 1
NCBI Official Symbol	HSP90AB1
NCBI Official Synonym Symbols	HSPC2; HSPCB; D6S182; HSP90B; FLJ26984; HSP90-BETA; HSP90AB1
UniProt Protein Name	Heat shock protein HSP 90-beta
UniProt Synonym Protein Names	Heat shock 84 kDa
Protein Family	Heat shock cognate protein
UniProt Gene Name	HSP90AB1
UniProt Synonym Gene Names	HSP90B; HSPC2; HSPCB; HSP 90; HSP 84; HSP84
UniProt Entry Name	HS90B_HUMAN
UniProt Comments for HSP90AB1	HSP90B: Molecular chaperone that promotes the maturation, structural maintenance and proper regulation of specific target proteins involved for instance in cell cycle control and signal transduction. Undergoes a functional cycle that is linked to its ATPase activity. This cycle probably induces conformational changes in the client proteins, thereby causing their activation. Interacts dynamically with various co-chaperones that modulate its substrate recognition, ATPase cycle and chaperone function. Homodimer. Interacts with p53/TP53. Forms a complex with CDK6 and Hsp90/HSP90AB1. Interacts with UNC45A. Binding to UNC45A involves 2 UNC45A monomers per HSP90AB1 dimer. Interacts with CHORDC1 and DNAJC7. Interacts with FKBP4. Belongs to the heat shock protein 90 family. Protein type: Chaperone; Heat shock protein Chromosomal Location of Human Ortholog: 6p12 Cellular Component: nucleoplasm; signalosome; cell surface; membrane; mitochondrion; brush border membrane; basolateral plasma membrane; cytoplasm; apical plasma membrane; melanosome; inclusion body; cytosol Molecular Function: protein binding; GTP binding; TPR domain binding; nitric-oxide synthase regulator activity; unfolded protein binding; double-stranded RNA binding; dATP binding; sulfonylurea receptor binding; kinase binding; protein kinase binding; ATP binding Biological Process: axon guidance; positive regulation of nitric oxide biosynthetic process; protein folding; positive regulation of cell size; positive regulation of protein import into nucleus, translocation; positive regulation of protein binding; innate immune response; negative regulation of neuron apoptosis; negative regulation of proteasomal ubiquitin-dependent protein catabolic process; response to unfolded protein; response to salt stress; placenta development
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