

Rabbit HSP90B1 Polyclonal Antibody | anti-HSP90B1 antibody

HSP90B1 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286912	Rabbit	Human (Predicted Reactivity: Monkey)	Western Blot, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA

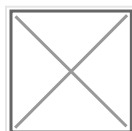
PRODUCT SYNONYMS

HSP90B1; Polyclonal Antibody; HSP90B1 Antibody (Center); Endoplasmic; 94 kDa glucose-regulated protein; GRP-94; Heat shock protein 90 kDa beta member 1; Tumor rejection antigen 1; gp96 homolog; GRP94; TRA1; anti-HSP90B1 antibody

PRODUCT SPECIFICATIONS

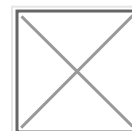
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Monkey)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This HSP90B1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 460-487 amino acids from the Central region of human HSP90B1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	460-487
Sequence Length	803
Applicable Applications for anti-HSP90B1 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

HSP90B1 Antibody (Center) flow cytometric analysis of A549 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)

HSP90B1 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of HSP90B1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of lysates from C2C12, MCF-7, HeLa cell line (from left to right), using HSP90B1 Antibody (Center). AAA286912 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.

ADDITIONAL INFORMATION

Related Product Information for anti-HSP90B1 antibody	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. HSP90B1 is an endoplasmic reticulum HSP90 protein. Other HSP90 proteins are found in cytosol (see HSP90AA1; MIM 140571) and mitochondria (TRAP1; MIM 606219) (Chen et al., 2005 [PubMed 16269234]).
Product Categories/Family for anti-HSP90B1 antibody	Crown Antibodies; Cancer; Metabolism; Signal Transduction
References	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Suzuki, S., et al. Biochem. Biophys. Res. Commun. 398(3):525-531(2010) Bloor, S., et al. Proc. Natl. Acad. Sci. U.S.A. 107(15):6970-6975(2010) Davila, S., et al. Genes Immun. 11(3):232-238(2010) Wang, X., et al. Clin. Dev. Immunol. 2010, 212537 (2010) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507677
NCBI GeneID	7184
NCBI Accession #	NP_003290.1
NCBI GenBank Nucleotide #	NM_003299.2
UniProt Accession #	P14625; Q96A97
Molecular Weight	92469
NCBI Official Full Name	endoplasmin
NCBI Official Synonym Full Names	heat shock protein 90kDa beta (Grp94), member 1
NCBI Official Symbol	HSP90B1
NCBI Official Synonym Symbols	ECGP; GP96; TRA1; GRP94; HEL35; HEL-S-125m
NCBI Protein Information	endoplasmin
UniProt Protein Name	Endoplasmin
UniProt Gene Name	HSP90B1
UniProt Synonym Gene Names	GRP94; TRA1; GRP-94
UniProt Entry Name	ENPL_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

