

Mouse anti-Human, Hsp90 Monoclonal Antibody | anti-Hsp90 antibody

Hsp90 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA11726	Mouse	Human,	ELISA, Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

Hsp90; Monoclonal Antibody; Hsp90 antibody; Heat shock protein HSP 90-alpha; HSP 86; Renal carcinoma antigen NY-REN-38; HSPC1; HSPCA; Heat shock protein 90-alpha Renal carcinoma antigen NY REN 38; D6S182; FLJ26984; FLJ31884; Heat shock 90kDa protein 1 alpha; heat shock protein 90kDa alpha (cytosolic); class A member 2; HSP84; HSP86; Hsp89; HSP89A; HSP90A; HSP90AA1; HSP90ALPHA; HSP90N; HSPCAL3; HSPCB; HSPN; LAP2; Lipopolysaccharide associated protein2; LPS associated protein 2; NY REN 38 antigen; hsp90; anti-Hsp90 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human,
Clonality	Monoclonal
Isotype	Mouse IgG2bheavy chain and k light chain
Clone Number	4F10
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	732
Applicable Applications for anti-Hsp90 antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	The antibody has been tested by ELISA, Western Blot, and Immunohistochemistry analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western Blot is 1:500~ 1:200 and immunohistochemistry analysis is 1:100~200. Recommended starting dilution for Western Blot is 1:1000 and Immunohistochemistry is 1:100.
Antigen Species	Human
Immunogen	Recombinant human Hsp90 (1-732aa) purified from E. coli
Clone Note	Anti-human Hsp90 mAb, clone 4F10, is derived from hybridization of mouse SP2/0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human Hsp90 protein.
Preparation and Storage	Can be stored at 4°C for short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C . Avoid repeated freezing and thawing cycles.

IMAGES



IHC (Immunohistochemistry)
Paraffin embedded sections of human urothelium were incubated with anti-human Hsp90 (1:100)for 2 hours at room temperature. Antigen retrieval was performed in 0.1M sodium citrate buffer and detectedusing Diaminobenzidine (DAB



FCM (Flow Cytometry)
Flow cytometry analysis of HSP90in HepG2cell line,staining at 2-5ug for 1x106cells(redline). The secondary antibody used goat anti-mouse IgGAlexa fluor 488 conjugate. Isotype control antibody was mouse IgG(black line).



WB (Western Blot)
The Recombinant Human HSP90 (50ng) and Cell lysates(40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human HSP90antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection systemLane 1. : Hsp90 recombinant protein Lane 2. : 293T cell lysate Lane 3. : HeLa cell lysate Lane 4. : HepG2 cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-Hsp90 antibody	Hsp90 is a human heat shock protein. In response to adverse change in their environment, cell from all organisms increase the expression of a class of proteins referred to as heat shock or stress protein. The Hsp90, a highly conserved stress-induced protein, is abundantly expressed in most tissues under non-stress conditions and is required for eukaryotic cell viability. Hsp90 is primarily a cytoplasmic protein and its function remains unknown. It exists in a dimeric form and has been observed to bind to several other cellular proteins such as retro-virus kinases, steroid receptor, heme-regulated protein kinase, actin and tubulin.
Product Categories/Family for anti-Hsp90 antibody	Heat Shock Proteins
References	B-T, et al., (1984) Molecular & Cellular Biol 4: 2802-2810; Pritchard, K. A, et al., (2001) J Biol Chem 276:17621-17624; Miyamoto, A, et al., (2002) Nature 416:865-869

NCBI AND UNIPROT INFORMATION

NCBI GI #	154146191
NCBI GeneID	3320
NCBI Accession #	NP_005339
NCBI GenBank Nucleotide #	NM_005348.3
UniProt Accession #	P07900; Q2PP14; Q5CAQ6; Q5CAQ7; Q9BVQ5; A8K500; B3KPJ9
NCBI Official Full Name	heat shock protein HSP 90-alpha isoform 2
NCBI Official Synonym Full Names	heat shock protein 90 alpha family class A member 1
NCBI Official Symbol	HSP90AA1
NCBI Official Synonym Symbols	EL52; HSPN; LAP2; HSP86; HSPC1; HSPCA; Hsp89; Hsp90; LAP-2; HSP89A; HSP90A; HSP90N; Hsp103; HSPCAL1; HSPCAL4; HEL-S-65p
NCBI Protein Information	heat shock protein HSP 90-alpha
UniProt Protein Name	Heat shock protein HSP 90-alpha
UniProt Gene Name	HSP90AA1
UniProt Synonym Gene Names	HSP90A; HSPC1; HSPCA; HSP 86; HSP86; LAP-2; LPS-associated protein 2

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/hsp90-antibody-clone-4f10-western-blot-immunohistochemistry-elisa/11726>