

Rabbit Hsp90 Polyclonal Antibody | anti-HSP90AA1 antibody

Anti-Hsp90 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA11604	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunocytochemistry

PRODUCT SYNONYMS

Hsp90; Polyclonal Antibody; Anti-Hsp90 Antibody; Heat shock protein HSP 90-alpha; heat shock protein 90kDa alpha (cytosolic); class A member 1; D6S182 antibody; FLJ26984 antibody; FLJ31884 antibody; Heat shock 86 kDa antibody; heat shock 90kDa protein 1 alpha antibody; Heat shock protein 90kDa alpha cytosolic class A member 1 antibody; Heat shock protein 90kDa alpha cytosolic class B member 1 antibody; Heat shock protein HSP 90 alpha antibody; Heat shock protein HSP 90 beta antibody; Heat shock protein HSP 90-alpha antibody; HS90A_HUMAN antibody; HSP 84 antibody; HSP 86 antibody; Hsp 90 antibody; HSP84 antibody; HSP86 antibody; Hsp89 antibody; Hsp90 antibody; HSP90 Beta antibody; HSP90A antibody; HSP90AA1 antibody; HSP90AB1 antibody; HSP90B antibody; HSP90N antibody; HSPC1 antibody; HSPC2 antibody; HSPCA antibody; HSPCAL1 antibody; HSPCAL4 antibody; HSPCB antibody; HSPN antibody; LAP2 antibody; Lipopolysaccharide associated protein2 antibody; LPS associated protein 2 antibody; NY REN 38 antigen antibody; Renal carcinoma antigen NY-REN-38 antibody; anti-HSP90AA1 antibody

PRODUCT SPECIFICATIONS

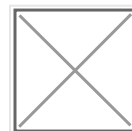
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	732
Applicable Applications for anti-HSP90AA1 antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry)
Immunogen	E Coli-derived human Hsp90 recombinant protein (Position: P2-V365). Human Hsp90 shares 99% amino acid (aa) sequence identity with both mouse and rat Hsp90.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



Application Data

Anti-Hsp90-alpha-Picoband antibody, AAA11604-6.jpgAll lanes: Anti-HSP90(AAA11604) at 0.5ug/mlLane 1: Rat Liver Tissue Lysate at 40ugLane 2: Hela Whole Cell Lysate at 40ugLane 3: MCF-7 Whole Cell Lysate at 40ugLane 4: Raji Whole Cell Lysate at 40ugPredicted bind size: 83KDObserved bind size: 83KD



ICC (Immunocytochemistry)

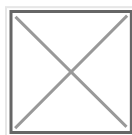
Anti-Hsp90-alpha-Picoband antibody, AAA11604-5.JPGICC : MCF-7 Cell

**ICC (Immunocytochemistry)**

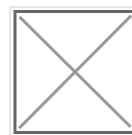
Anti-Hsp90-alpha-Picoband antibody, AAA11604-4.JPGICC: A549 Cell

**IHC (Immunohistochemistry)**

Anti-Hsp90-alpha-Picoband antibody, AAA11604-3.JPGIHC(P): Rat Brain Tissue

**IHC (Immunohistochemistry)**

Anti-Hsp90-alpha-Picoband antibody, AAA11604-2.JPGIHC(P): Mouse Brain Tissue

**IHC (Immunohistochemistry)**

Anti-Hsp90-alpha-Picoband antibody, AAA11604-1.JPGIHC(P): Human Intestinal Cancer Tissue

ADDITIONAL INFORMATION**Related Product Information for anti-HSP90AA1 antibody****Description:** Rabbit IgG polyclonal antibody for Heat shock protein HSP 90-alpha(HSP90AA1) detection. Tested with WB, IHC-P, ICC in Human, Mouse, Rat.**Background:** HSP90 (heat shock protein 90) is a chaperone protein that assists other proteins to fold properly, stabilizes proteins against heat stress, and aids in protein degradation. HSP90 inhibitors are investigated as anti-cancer drugs. Heat shock proteins, as a class, are among the most highly expressed cellular proteins across all species. It is mapped to 14q32.31. Hsp90 acts as a capacitor for morphologic evolution through epigenetic and genetic mechanisms. HSP90 is a molecular chaperone that plays a key role in the conformational maturation of oncogenic signaling proteins, including HER2/ERBB2, AKT, RAF1, BCR-ABL, and mutated p53. Although HSP90 is highly expressed in most cells, HSP90 inhibitors selectively kill cancer cells compared to normal cells, and the HSP90 inhibitor 17-allylaminogeldanamycin (17-AAG) exhibited antitumor activity in preclinical models.**NCBI AND UNIPROT INFORMATION**

NCBI GI #	92090606
NCBI GeneID	3320
UniProt Accession #	P07900; Q2PP14; Q5CAQ6; Q5CAQ7; Q9BVQ5; A8K500; B3KPJ9
Molecular Weight	98,161 Da
NCBI Official Full Name	Heat shock protein HSP 90-alpha
NCBI Official Synonym Full Names	heat shock protein 90kDa alpha (cytosolic), 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; HSPCAL1; HSPCAL4
NCBI Protein Information	heat shock protein HSP 90-alpha; HSP 86; heat shock 86 kDa; LPS-associated protein 2; heat shock 90kD protein 1, alpha; heat shock 90kDa protein 1, alpha; renal carcinoma antigen NY-REN-38; heat shock 90kD protein, alpha-like 4; epididymis luminal secretory protein 52; heat shock 90kD protein 1, alpha-like 4; lipopolysaccharide-associated protein 2
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
UniProt Entry Name	HS90A_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.