

Hsp90 alpha Polyclonal Antibody | anti-Hsp90 alpha antibody

Anti-Hsp90 alpha Antibody

CATALOG # AAA46464	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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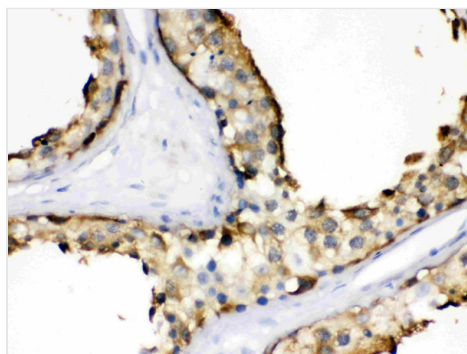
PRODUCT SYNONYMS

Hsp90 alpha; Polyclonal Antibody; Anti-Hsp90 alpha Antibody; Heat shock protein HSP 90-alpha; EL52; epididymis luminal secretory protein 52; Heat shock 86 kDa; heat shock 90kD protein 1; alpha; Heat shock 90kD protein 1; alpha like 4; heat shock 90kD protein; alpha-like 4; Heat shock 90kDa protein 1 alpha; Heat shock protein 90kDa alpha (cytosolic) class A member 1; heat shock protein 90kDa alpha (cytosolic); class A member 2; HS90A_HUMAN; HSP 86; HSP86; Hsp89; HSP89A; Hsp90; HSP90A; HSP90AA1; HSP90ALPHA; HSP90N; HSPC1; HSPCA; HSPCAL1; HSPCAL3; HSPCAL4; HSPN; LAP 2; LAP2; lipopolysaccharide-associated protein 2; LPS-associated protein 2; Renal carcinoma antigen NY REN 38; Renal carcinoma antigen NY-REN-38; class A member 1; anti-Hsp90 alpha antibody

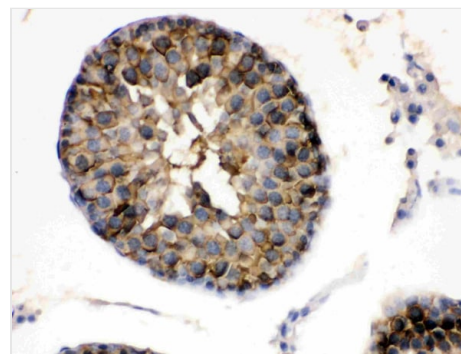
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	854
Applicable Applications for anti-Hsp90 alpha antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Hsp90 alpha (454-488aa QNRKKLSELLRYTTSASGDEMVS LKDYCTRMKEN Q), identical to the related mouse and rat sequences.
Ig Type	Rabbit IgG
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 aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

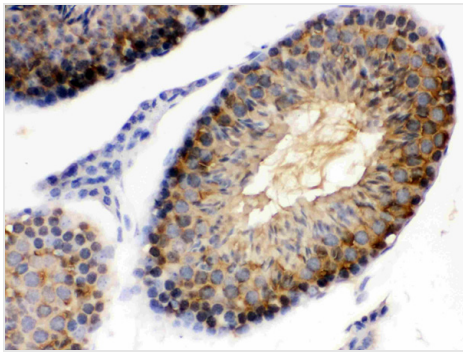
IMAGES



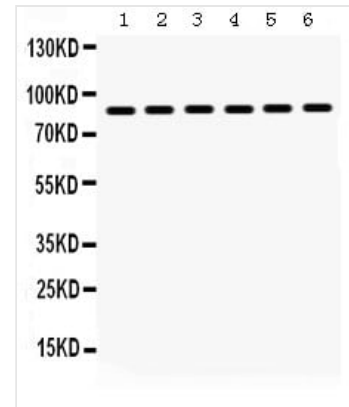
IHC (Immunohistochemistry)
Anti- Hsp90 alpha Picoband antibody, AAA46464, IHC(P)IHC(P): Human Testis Tissue



IHC (Immunohistochemistry)
Anti- Hsp90 alpha Picoband antibody, AAA46464, IHC(P)IHC(P): Rat Testis Tissue



IHC (Immunohistochemistry)
Anti- Hsp90 alpha Picoband antibody, AAA46464, IHC(P)IHC(P): Mouse Testis Tissue



WB (Western Blot)
Anti- Hsp90 alpha Picoband antibody, AAA46464, Western blottingAll lanes: Anti Hsp90 alpha (AAA46464) at 0.5ug/mlLane 1: Rat Brain Tissue Lysate at 50ugLane 2: Rat Cardiac Muscle Tissue Lysate at 50ugLane 3: Rat Liver Tissue Lysate at 50ugLane 4: HELA Whole Cell Lysate at 40ugLane 5: JURKAT Whole Cell Lysate at 40ugLane 6: 22RV1 Whole Cell Lysate at 40ugPredicted bind size: 90KDObserved bind size: 90KD

ADDITIONAL INFORMATION

Related Product Information for anti-Hsp90 alpha antibody	Description: Rabbit IgG polyclonal antibody for Heat shock protein HSP 90-alpha(HSP90AA1) detection. Tested with WB, IHC-P in Human;Mouse;Rat. Background: Heat shock protein HSP 90-alpha is a protein that in humans is encoded by the HSP90AA1 gene. The gene, HSP90AA1, encodes the human stress-inducible 90-kDa heat shock protein alpha (Hsp90A). Complemented by the constitutively expressed paralog Hsp90B which shares over 85% amino acid sequence identity, Hsp90A expression is initiated when a cell experiences proteotoxic stress. Once expressed Hsp90A dimers operate as molecular chaperones that bind and fold other proteins into their functional 3-dimensional structures. This molecular chaperoning ability of Hsp90A is driven by a cycle of structural rearrangements fueled by ATP hydrolysis. Current research on Hsp90A focuses in its role as a drug target due to its interaction with a large number of tumor promoting proteins and its role in cellular stress adaptation.
References	1. Chen B, Piel WH, Gui L, Bruford E, Monteiro A (Dec 2005). "The HSP90 family of genes in the human genome: insights into their divergence and evolution". Genomics86 (6): 627-37. 2. Hickey E, Brandon SE, Smale G, Lloyd D, Weber LA (Jun 1989). "Sequence and regulation of a gene encoding a human 89-kilodalton heat shock protein". Molecular and Cellular Biology 9 (6): 2615-26.

NCBI AND UNIPROT INFORMATION

NCBI GI #	153792590
NCBI GeneID	3320
NCBI Accession #	NP_001017963.2
NCBI GenBank Nucleotide #	NM_001017963.2
UniProt Accession #	P07900; Q2PP14; Q5CAQ6; Q5CAQ7; Q9BVQ5; A8K500; B3KPJ9
Molecular Weight	98,161 Da
NCBI Official Full Name	heat shock protein HSP 90-alpha isoform 1
NCBI Official Synonym Full Names	heat shock protein 90kDa 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; 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
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/hsp90-alpha-antibody-immunohistochemistry-western-blot-elisa/46464>