Rabbit anti-Human AHSA1 Polyclonal Antibody | anti-AHSA1 antibody

AHSA1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324202	**Rabbit**	**Human**	**ELISA, Immunocytochemistry, Immunofluorescence, Western Blot**

PRODUCT SYNONYMS

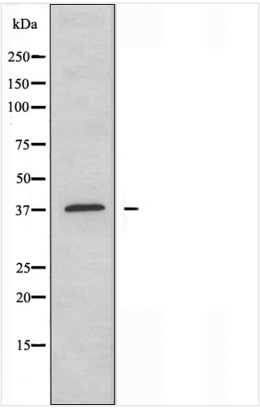
AHSA1; Polyclonal Antibody; AHSA1 Antibody; Activator of 90 kDa heat shock protein ATPase homolog 1; Activator of heat shock 90kDa protein ATPase homolog 1; AHA 1; AHA1; AHSA 1; Ahsa1; AHSA1_HUMAN; C14orf3; HSPC322; p38; anti-AHSA1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	AHSA1 antibody detects endogenous levels of total AHSA1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	203
Applicable Applications for anti-AHSA1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytoplasm > Cytosol. Endoplasmic Reticulum. May transiently interact with the endoplasmic reticulum.
Tissue Specificity	Expressed in numerous tissues, including brain, heart, skeletal muscle and kidney and, at lower levels, liver and placenta.
Predicted Cross Reactivity	**Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken**
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES

IF (Immunofluorescence)
AAA324202 staining HT29 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from HT-29 cells using AHSA1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-AHSA1 antibody	Function: Acts as a co-chaperone of HSP90AA1 (PubMed:29127155). Activates the ATPase activity of HSP90AA1 leading to increase in its chaperone activity (PubMed:29127155). Competes with the inhibitory co-chaperone FNIP1 for binding to HSP90AA1, thereby providing a reciprocal regulatory mechanism for chaperoning of client proteins (PubMed:27353360). Competes with the inhibitory co-chaperone TSC1 for binding to HSP90AA1, thereby providing a reciprocal regulatory mechanism for chaperoning of client proteins (PubMed:29127155). Subunit Structure: Interacts with HSPCA/HSP90 (PubMed:12504007, PubMed:12604615). Interacts (phosphorylated on Tyr-223) with HSP90AA1; the interaction activates HSP90AA1 ATPase activity (PubMed:27353360, PubMed:29127155). Interacts with HSP90AB1 (By similarity). Interacts with GCH1 (PubMed:16696853). Interacts with SRPK1 (PubMed:19240134). Interacts with FLCN (PubMed:27353360). Post-translational Modifications: Phosphorylation at Tyr-223 enhances binding to chaperone HSP90AA1. Similarity: Belongs to the AHA1 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1009287457
NCBI GeneID	10598
NCBI Accession #	NP_001308370.1
NCBI GenBank Nucleotide #	NM_001321441.1
UniProt Accession #	O95433; Q96IL6; Q9P060; B2R9L2; B4DUR9
Molecular Weight	Observed: 38 kD Predicted: 39 kDa
NCBI Official Full Name	activator of 90 kDa heat shock protein ATPase homolog 1 isoform 2
NCBI Official Synonym Full Names	activator of HSP90 ATPase activity 1
NCBI Official Symbol	AHSA1
NCBI Official Synonym Symbols	p38; AHA1; hAha1; C14orf3
NCBI Protein Information	activator of 90 kDa heat shock protein ATPase homolog 1
UniProt Protein Name	Activator of 90 kDa heat shock protein ATPase homolog 1
UniProt Gene Name	**AHSA1**
UniProt Synonym Gene Names	C14orf3; AHA1

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://www.aaabiotech.com/polyclonal/ahsa1-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324202