

Rabbit HAX1 Polyclonal Antibody | anti-HAX1 antibody

HAX1 Antibody

CATALOG # AAA327092	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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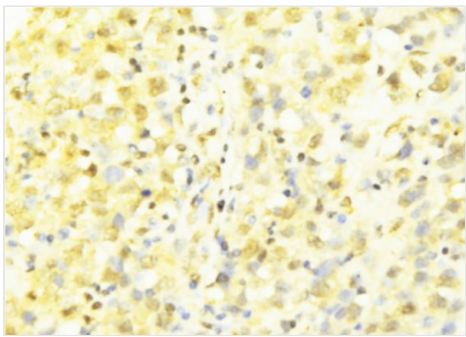
PRODUCT SYNONYMS

HAX1; Polyclonal Antibody; HAX1 Antibody; FLJ17042; FLJ18492; FLJ93803; HAX 1; HAX-1; HAX1_HUMAN; Hax1a; HCLS1 and PKD2 associated protein; HCLS1 associated protein; HCLS1 associated protein X 1; HCLS1-associated protein X-1; HCLSBP1; HS 1 associated protein X 1; HS 1 binding protein; HS1 associating protein X 1; HS1 binding protein 1; HS1 binding protein; HS1-associating protein X-1; HS1-binding protein 1; HS1BP1; HSP1BP-1; OTTHUMP00000034190; SCN3; anti-HAX1 antibody

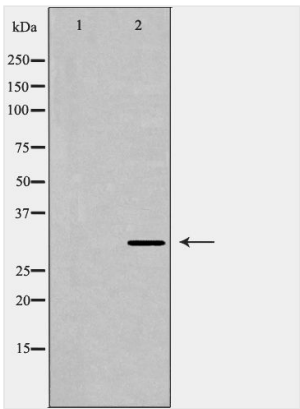
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	HAX1 antibody detects endogenous levels of total HAX1
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	231
Applicable Applications for anti-HAX1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human HAX1
Subcellular Location	Mitochondrion. Endoplasmic Reticulum. Nucleus Membrane. Cytoplasmic Vesicle. Sarcoplasmic Reticulum.
Tissue Specificity	Ubiquitous. Up-regulated in oral cancers.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA327092 at 1/100 staining Human breast cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of Mouse brain lysate, using HAX1 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-HAX1 antibody

Description: The protein encoded by this gene is known to associate with hematopoietic cell-specific Lyn substrate 1, a substrate of Src family tyrosine kinases. It also interacts with the product of the polycystic kidney disease 2 gene, mutations in which are associated with autosomal-dominant polycystic kidney disease, and with the F-actin-binding protein, cortactin. It was earlier thought that this gene product is mainly localized in the mitochondria, however, recent studies indicate it to be localized in the cell body. Mutations in this gene result in autosomal recessive severe congenital neutropenia, also known as Kostmann disease. Two transcript variants encoding different isoforms have been found for this gene.

Function: Recruits the Arp2/3 complex to the cell cortex and regulates reorganization of the cortical actin cytoskeleton via its interaction with KCNC3 and the Arp2/3 complex (PubMed:26997484). Slows down the rate of inactivation of KCNC3 channels (PubMed:26997484). Promotes GNA13-mediated cell migration. Involved in the clathrin-mediated endocytosis pathway. May be involved in internalization of ABC transporters such as ABCB11. May inhibit CASP9 and CASP3. Promotes cell survival. May regulate intracellular calcium pools.

Subunit Structure: Interacts with ABCB1, ABCB4 and ABCB11 (By similarity). Directly associates with HCLS1/HS1, through binding to its N-terminal region (PubMed:9058808). Interacts with CTTN (By similarity). Interacts with PKD2 (PubMed:10760273). Interacts with GNA13 (PubMed:15339924). Interacts with CASP9 (PubMed:16857965). Interacts with ITGB6 (PubMed:17545607). Interacts with PLN and ATP2A2; these interactions are inhibited by calcium (PubMed:17241641, PubMed:18971376). Interacts with GRB7 (PubMed:20665473). Interacts (via C-terminus) with XIAP/BIRC4 (via BIR 2 domain and BIR 3 domain) and this interaction blocks ubiquitination of XIAP/BIRC4 (PubMed:20171186). Interacts with TPC2 (PubMed:24188827). Interacts with KCNC3 (PubMed:26997484). Interacts with XPO1 (PubMed:23164465).

Post-translational Modifications: Proteolytically cleaved by caspase-3 during apoptosis.

Similarity: Belongs to the HAX1 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	66363694
NCBI GeneID	10456
NCBI Accession #	NP_001018238.1
NCBI GenBank Nucleotide #	NM_001018837.1
UniProt Accession #	O00165; Q5VYD5; Q5VYD7; Q96AU4; Q9BS80; A8W4W9; A8W4X0; B4DUJ7
Molecular Weight	Observed: 31 kDa Predicted: 32 kDa
NCBI Official Full Name	HCLS1-associated protein X-1 isoform b
NCBI Official Synonym Full Names	HCLS1 associated protein X-1

NCBI Official Symbol	HAX1
NCBI Official Synonym Symbols	SCN3; HS1BP1; HCLSBP1
NCBI Protein Information	HCLS1-associated protein X-1
UniProt Protein Name	HCLS1-associated protein X-1
UniProt Gene Name	HAX1
UniProt Synonym Gene Names	HS1BP1; HAX-1; HSP1BP-1

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/hax1-antibody-immunohistochemistry-western-blot-elisa/327092>