

Rabbit anti-Human HAX1 Polyclonal Antibody | anti-HAX1 antibody

Anti-HAX1 Antibody Picoband

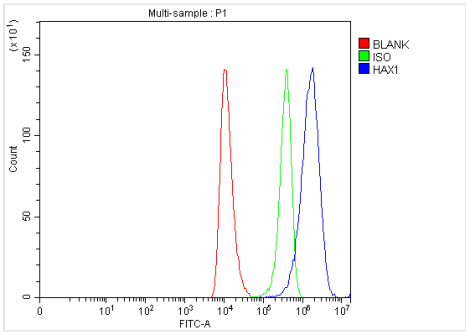
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126145	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

HAX1; Polyclonal Antibody; Anti-HAX1 Antibody Picoband; anti-HAX1 antibody

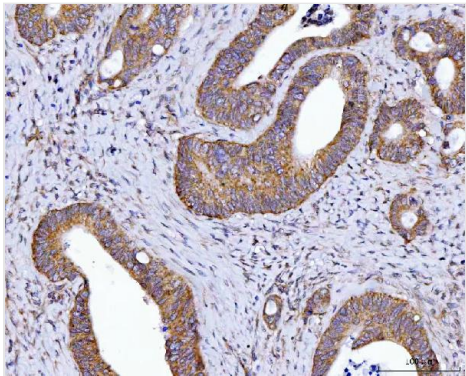
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Natural and recombinant Human CRELD1
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-HAX1 antibody	ELISA, FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Samples	Cell culture supernatants, serum and plasma (heparin, EDTA)
Detection Range	93.7 pg/ml - 6,000 pg/ml
Sensitivity	<10 pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



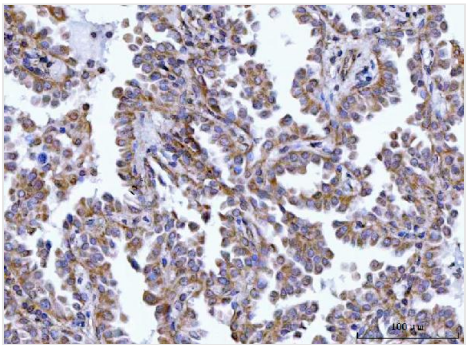
FCM/FACS (Flow Cytometry)

Figure 5. Flow Cytometry analysis of HEL cells using anti-HAX1 antibody (AAA126145).Overlay histogram showing HEL cells stained with AAA126145 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-HAX1 Antibody (AAA126145, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



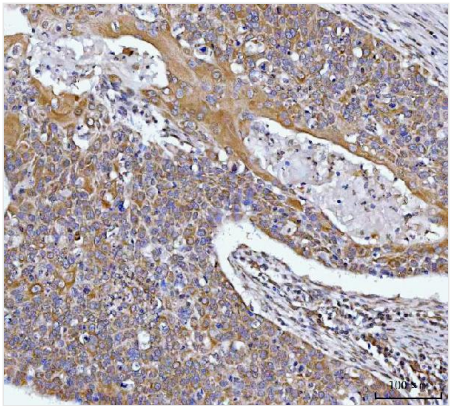
IHC (Immunohistochemisry)

Figure 3. IHC analysis of HAX1 using anti-HAX1 antibody (AAA126145).HAX1 was detected in a paraffin-embedded section of human colorectal adenocarcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-HAX1 Antibody (AAA126145) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



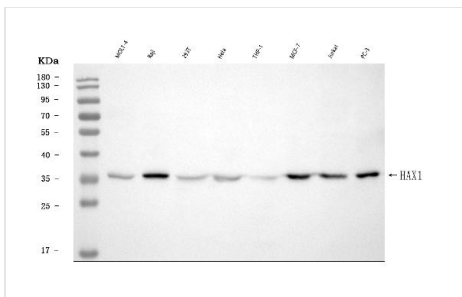
IHC (Immunohistochemistry)

Figure 4. IHC analysis of HAX1 using anti-HAX1 antibody (AAA126145).HAX1 was detected in a paraffin-embedded section of human lung cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-HAX1 Antibody (AAA126145) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



IHC (Immunohiochemistry)

Figure 2. IHC analysis of HAX1 using anti-HAX1 antibody (AAA126145).HAX1 was detected in a paraffin-embedded section of human esophageal squamous carcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-HAX1 Antibody (AAA126145) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of HAX1 using anti-HAX1 antibody (AAA126145). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human MOLT-4 whole cell lysates, Lane 2: human Raji whole cell lysates, Lane 3: human 293T whole cell lysates, Lane 4: human Hela whole cell lysates, Lane 5: human THP-1 whole cell lysates, Lane 6: human MCF-7 whole cell lysates, Lane 7: human Jurkat whole cell lysates, Lane 8: human PC-3 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-HAX1 antigen affinity purified polyclonal antibody (#AAA126145) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for HAX1 at approximately 36 kDa. The expected band size for HAX1 is at 32 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-HAX1 antibody	Background: Cysteine-rich with EGF-like domain protein 1 is a protein that in humans is encoded by the CRELD1 gene. This gene encodes a member of a subfamily of epidermal growth factor-related proteins. The encoded protein is characterized by a cysteine-rich with epidermal growth factor-like domain. This protein may function as a cell adhesion molecule. Mutations in this gene are the cause of atrioventricular septal defect. Alternate splicing results in multiple transcript variants. Principle of the Assay: The Picokine™ Human CRELD1 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human CRELD1 with a 96-well strip plate that is pre-coated with antibody specific for CRELD1. The detection antibody is a biotinylated antibody specific for CRELD1. The capture antibody is a monoclonal antibody from mouse and the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Human CRELD1 with immunogen: Expression system for standard: NS0; Immunogen sequence: Q30-E362. The kit is analytically validated with ready-to-use reagents. To measure Human CRELD1, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbound ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Human CRELD1 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human CRELD1 in the sample.
Product Categories/Family for anti-HAX1 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

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	21,801 Da

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; HAX-1; HCLS1 (and PKD2) associated protein; HS1 binding protein; HS1-associating protein X-1; HS1-binding protein 1; HSP1BP-1
UniProt Protein Name	HCLS1-associated protein X-1
UniProt Gene Name	HAX1
UniProt Synonym Gene Names	HS1BP1; HAX-1; HSP1BP-1
UniProt Entry Name	HAX1_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://www.aaabiotech.com/polyclonal/hax1-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/126145>