

Rabbit TAL1 Polyclonal Antibody | anti-TAL1 antibody

Anti-TAL1 Antibody Picoband

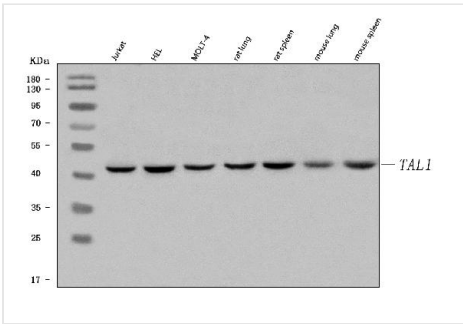
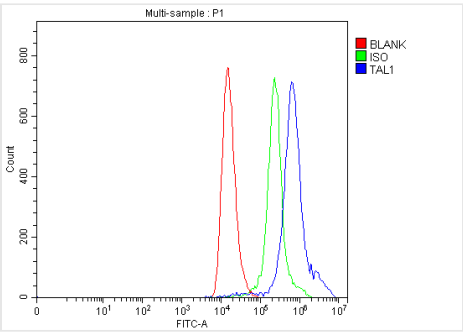
CATALOG # AAA126097	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Flow Cytometry, Functional Assay, Western Blot
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PRODUCT SYNONYMS

TAL1; Polyclonal Antibody; Anti-TAL1 Antibody Picoband; anti-TAL1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
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-TAL1 antibody	FCM/FACS (Flow Cytometry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	A synthetic peptide corresponding to a sequence of human TAL1 (EEPAPKHTARSLHPAML).
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 2. Flow Cytometry analysis of HEL cells using anti-TAL1 antibody (AAA126097).Overlay histogram showing HEL cells stained with AAA126097 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-TAL1 Antibody (AAA126097, 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.

WB (Western Blot)
Figure 1. Western blot analysis of TAL1 using anti-TAL1 antibody (AAA126097).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 Jurkat whole cell lysates,Lane 2: human HEL whole cell lysates,Lane 3: human MOLT-4 whole cell lysates,Lane 4: rat lung tissue lysate,Lane 5: rat spleen tissue lysate,Lane 6: mouse lung tissue lysate,Lane 7: mouse spleen tissue lysate.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-TAL1 antigen affinity purified polyclonal antibody (#AAA126097) at 0.25 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 TAL1 at approximately 40-45 kDa. The expected band size for TAL1 is at 34 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-TAL1 antibody	T-cell acute lymphocytic leukemia protein 1 is a protein that in humans is encoded by the TAL1 gene. The protein encoded by TAL1 is a basic helix-loop-helix transcription factor. TAL1 is a transcriptionally complex gene that is expressed throughout development, activating or repressing transcription in hematopoietic, neural, and endothelial precursors. This gene is mapped to chromosome 1p33.
Product Categories/Family for anti-TAL1 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507363
NCBI GeneID	6886
NCBI Accession #	NP_003180.1
NCBI GenBank Nucleotide #	NM_003189.2
UniProt Accession #	P17542; D3DQ24
Molecular Weight	34,271 Da
NCBI Official Full Name	T-cell acute lymphocytic leukemia protein 1
NCBI Official Synonym Full Names	T-cell acute lymphocytic leukemia 1
NCBI Official Symbol	TAL1
NCBI Official Synonym Symbols	SCL; TCL5; tal-1; bHLHa17
NCBI Protein Information	T-cell acute lymphocytic leukemia protein 1; tal-1 product; stem cell protein; T-cell leukemia/lymphoma protein 5; class A basic helix-loop-helix protein 17
UniProt Protein Name	T-cell acute lymphocytic leukemia protein 1

UniProt Gene Name	TAL1
UniProt Synonym Gene Names	BHLHA17; SCL; TCL5; TAL-1; bHLHa17
UniProt Entry Name	TAL1_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/tal1-antibody-flow-cytometry-western-blot-elisa/126097>