

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

Anti-BLK Antibody Picoband

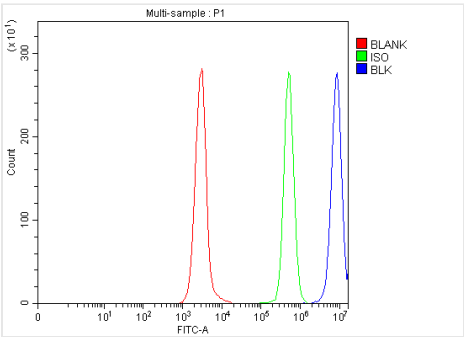
CATALOG # AAA126147	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot, Flow Cytometry, Functional Assay, ELISA
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PRODUCT SYNONYMS

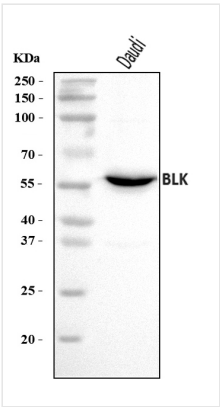
BLK; Polyclonal Antibody; Anti-BLK Antibody Picoband; anti-BLK antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Natural and recombinant Human DDAH1
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-BLK antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), ELISA
Samples	Cell culture supernatants, serum and plasma (heparin, EDTA)
Detection Range	15.6 pg/ml - 1,000 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 2. Flow Cytometry analysis of Daudi cells using anti-BLK antibody (AAA126147).Overlay histogram showing Daudi cells stained with AAA126147 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-BLK Antibody (AAA126147, 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 BLK using anti-BLK antibody (AAA126147).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 Daudi 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-BLK antigen affinity purified polyclonal antibody (#AAA126147) 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 BLK at approximately 60 kDa. The expected band size for BLK is at 60 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-BLK antibody	Background: This gene belongs to the dimethylarginine dimethylaminohydrolase (DDAH) gene family. The encoded enzyme plays a role in nitric oxide generation by regulating cellular concentrations of methylarginines, which in turn inhibit nitric oxide synthase activity. Principle of the Assay: The Picokine™ Human DDAH1 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human DDAH1 with a 96-well strip plate that is pre-coated with antibody specific for DDAH1. The detection antibody is a biotinylated antibody specific for DDAH1. 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 DDAH1 with immunogen: Expression system for standard: E.coli; Immunogen sequence: A2-S285. The kit is analytically validated with ready-to-use reagents. To measure Human DDAH1, 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 unbounded 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 DDAH1 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 DDAH1 in the sample.
Product Categories/Family for anti-BLK antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	33469982
NCBI GeneID	640
NCBI Accession #	NP_001706.2
NCBI GenBank Nucleotide #	NM_001715.2
UniProt Accession #	P51451; Q16291; Q96IN1

Molecular Weight	57,706 Da
NCBI Official Full Name	tyrosine-protein kinase Blk
NCBI Official Synonym Full Names	B lymphoid tyrosine kinase
NCBI Official Symbol	BLK
NCBI Official Synonym Symbols	MODY11
NCBI Protein Information	tyrosine-protein kinase Blk; p55-Blk; b lymphocyte kinase; BLK nonreceptor tyrosine kinase
UniProt Protein Name	Tyrosine-protein kinase Blk
UniProt Gene Name	BLK
UniProt Entry Name	BLK_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/blk-antibody-western-blot-flow-cytometry-elisa/126147>