

Rabbit anti-Human BCA1/CXCL13 Polyclonal Antibody | anti-BCA1/CXCL13 antibody

Anti-BCA1/CXCL13 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127136	Rabbit	Human	Western Blot, Immunohistochemistry, Flow Cytometry, Functional Assay

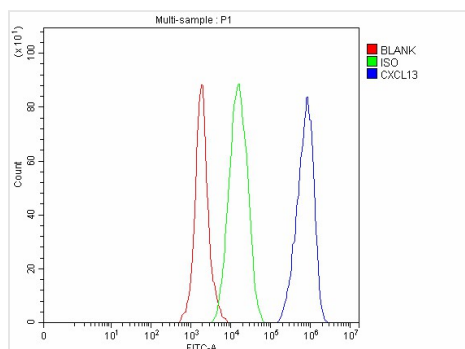
PRODUCT SYNONYMS

BCA1/CXCL13; Polyclonal Antibody; Anti-BCA1/CXCL13 Antibody Picoband; anti-BCA1/CXCL13 antibody

PRODUCT SPECIFICATIONS

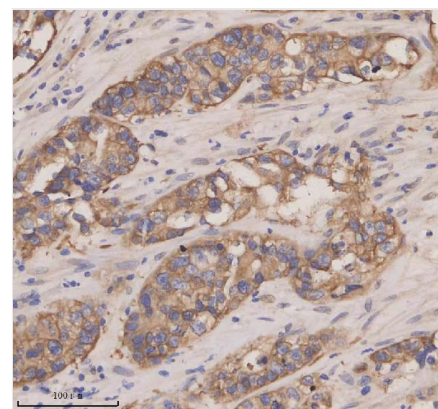
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-BCA1/CXCL13 antibody	WB (Western Blot), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human CXCL13.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	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.

IMAGES



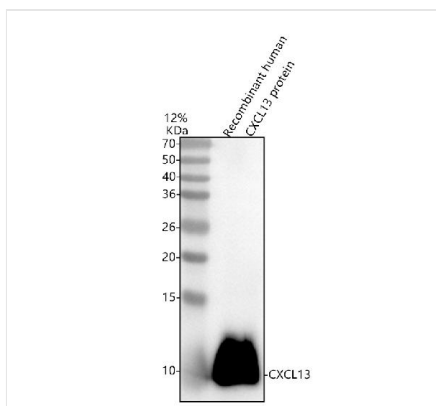
FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of SH-SY5Y cells using anti-BCA1/CXCL13 antibody (AAA127136). Overlay histogram showing SH-SY5Y cells stained with AAA127136 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-BCA1/CXCL13 Antibody (AAA127136, 1ug/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 (1ug/1x10⁶) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



IHC (Immunohistochemistry)

Figure 2. IHC analysis of BCA1/CXCL13 using anti-BCA1/CXCL13 antibody (AAA127136). BCA1/CXCL13 was detected in a paraffin-embedded section of human appendiceal 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 2ug/ml rabbit anti-BCA1/CXCL13 Antibody (AAA127136) 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 BCA1/CXCL13 using anti-BCA1/CXCL13 antibody (AAA127136). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. Lane 1: recombinant human CXCL13 protein. 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-BCA1/CXCL13 antigen affinity purified polyclonal antibody (#AAA127136) at 0.5ug/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 BCA1/CXCL13 at approximately 9 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-BCA1/CXCL13 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-BCA1/CXCL13 antibody	Primary Antibodies
References	1. Allen, C. D. C., Ansel, K. M., Low, C., Lesley, R., Tamamura, H., Fujii, N., Cyster, J. G. Germinal center dark and light zone organization is mediated by CXCR4 and CXCR5. <i>Nature Immun.</i> 5: 943-952, 2004. 2. Ansel, K. M., Harris, R. B. S., Cyster, J. G. CXCL13 is required for B1 cell homing, natural antibody production, and body cavity immunity. <i>Immunity</i> 16: 67-76, 2002. 3. Ansel, K. M., Ngo, V. N., Hyman, P. L., Luther, S. A., Forster, R., Sedgwick, J. D., Browning, J. L., Lipp, M., Cyster, J. G. A chemokine-driven positive feedback loop organizes lymphoid follicles. <i>Nature</i> 406: 309-314, 2000.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453577
NCBI GeneID	10563
NCBI Accession #	NP_006410.1
NCBI GenBank Nucleotide #	NM_006419.2
UniProt Accession #	O43927
Molecular Weight	12,664 Da
NCBI Official Full Name	C-X-C motif chemokine 13
NCBI Official Synonym Full Names	chemokine (C-X-C motif) ligand 13
NCBI Official Symbol	CXCL13
NCBI Official Synonym Symbols	BLC; BCA1; ANGIE; BCA-1; BLR1L; ANGIE2; SCYB13

NCBI Protein Information	C-X-C motif chemokine 13; B-cell chemoattractant; B-cell-attracting chemokine 1; B-cell-homing chemokine (ligand for Burkitt's lymphoma receptor-1); B-lymphocyte chemoattractant; CXC chemokine BLC; b cell-attracting chemokine 1; b lymphocyte chemoattracta
UniProt Protein Name	C-X-C motif chemokine 13
UniProt Gene Name	CXCL13
UniProt Synonym Gene Names	BCA1; BLC; SCYB13; BCA-1
UniProt Entry Name	CXL13_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/bca1-cxcl13-antibody-western-blot-immunohistochemistry-flow-cytometry-elisa/127136>