

Rabbit anti-Human BPIFB1 Polyclonal Antibody | anti-BPIFB1 antibody

Anti-BPIFB1 Antibody Picoband

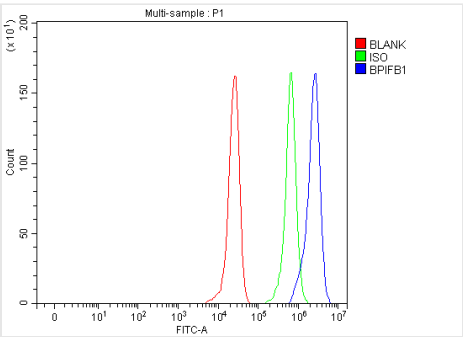
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127550	Rabbit	Human	Western Blot, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

BPIFB1; Polyclonal Antibody; Anti-BPIFB1 Antibody Picoband; anti-BPIFB1 antibody

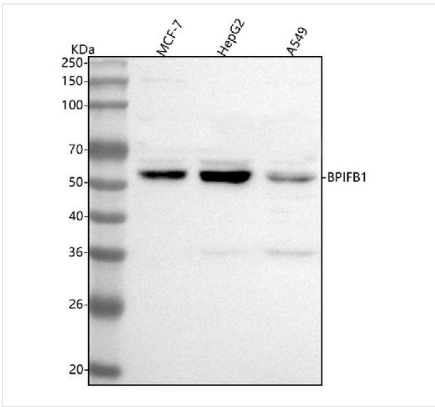
PRODUCT SPECIFICATIONS

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-BPIFB1 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), ELISA
Immunogen	E coli-derived human BPIFB1 recombinant protein (Position: T26-K477). Human BPIFB1 shares 58.9% and 57.4% amino acid (aa) sequence identity with mouse and rat BPIFB1, respectively.
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.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of HepG2 cells using anti-BPIFB1 antibody (AAA127550).Overlay histogram showing HepG2 cells stained with AAA127550 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-BPIFB1 Antibody (AAA127550, 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 (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of BPIFB1 using anti-BPIFB1 antibody (AAA127550).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 MCF-7 whole cell lysates,Lane 2: human HepG2 whole cell lysates,Lane 3: human A549 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-BPIFB1 antigen affinity purified polyclonal antibody (#AAA127550) 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 BPIFB1 at approximately 52 kDa. The expected band size for BPIFB1 is at 52 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-BPIFB1 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-BPIFB1 antibody	Primary Antibodies
References	1. Wei, F., Tang, L., He, Y., Wu, Y., Shi, L., Xiong, F., ... & Zeng, Z. (2018). BPIFB1 (LPLUNC1) inhibits radioresistance in nasopharyngeal carcinoma by inhibiting VTN expression. Cell Death & Disease, 9(4), 432.2. Gao, J., Ohlmeier, S., Nieminen, P., Toljamo, T., Tiitinen, S., Kanerva, T., ... & Pulkkinen, V. (2015). Elevated sputum BPIFB1 levels in smokers with chronic obstructive pulmonary disease: a longitudinal study. American Journal of Physiology-Lung Cellular and Molecular Physiology, 309(1), L17-L26.3. Yang, Y., Liao, Q., Wei, F., Li, X., Zhang, W., Fan, S., ... & Li, G. (2013). LPLUNC1 inhibits nasopharyngeal carcinoma cell growth via down-regulation of the MAP kinase and cyclin D1/E2F pathways. PloS one, 8(5), e62869.

NCBI AND UNIPROT INFORMATION

NCBI GI #	34395685
NCBI GeneID	92747
UniProt Accession #	Q8TDL5; Q5QP43; Q6UWY1; Q6ZRU7; Q96HK6; Q9BQP8; Q9BWZ6; Q9H4V6; A8K2H8
Molecular Weight	484
NCBI Official Full Name	BPI fold-containing family B member 1
NCBI Official Synonym Full Names	BPI fold containing family B, member 1
NCBI Official Symbol	BPIFB1
NCBI Official Synonym Symbols	LPLUNC1; C20orf114

NCBI Protein Information	BPI fold-containing family B member 1; VEMSGP; von Ebner minor salivary gland protein; long palate, lung and nasal epithelium carcinoma associated 1; long palate, lung and nasal epithelium carcinoma-associated protein 1
UniProt Protein Name	BPI fold-containing family B member 1
UniProt Gene Name	BPIFB1
UniProt Synonym Gene Names	C20orf114; LPLUNC1; VEMSGP
UniProt Entry Name	BPIB1_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/bpifb1-antibody-western-blot-flow-cytometry-elisa/127550>