

Rabbit anti-Human CTNNBL1 Polyclonal Antibody | anti-CTNNBL1 antibody

Anti-CTNNBL1 Antibody Picoband

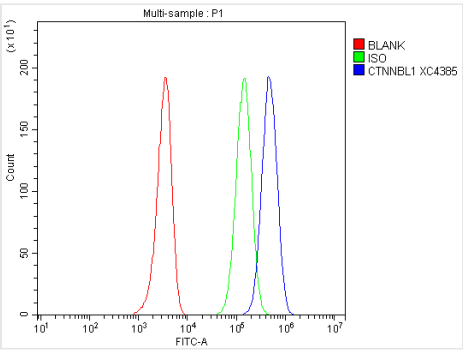
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA128222	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

CTNNBL1; Polyclonal Antibody; Anti-CTNNBL1 Antibody Picoband; Beta-catenin-like protein 1; catenin beta like 1; C20orf33; PP8304; Nuclear-associated protein; NAP; Testis development protein NYD-SP19; anti-CTNNBL1 antibody

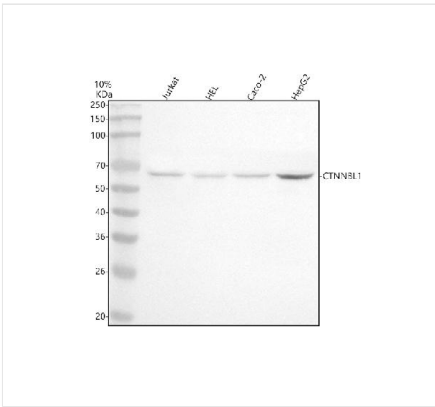
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
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 .
Applicable Applications for anti-CTNNBL1 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human CTNNBL1 recombinant protein (Position: Q122-E231). Human CTNNBL1 shares 97.3% and 98.2% amino acid (aa) sequence identity with mouse and rat CTNNBL1, respectively.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Cross Reactivity	No cross-reactivity with other proteins
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 HEL cells using anti-CTNNBL1 antibody (AAA128222).Overlay histogram showing HEL cells stained with AAA128222 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-CTNNBL1 Antibody (AAA128222, 1ug/1x106 cells) for 30 min at 20 degree C. DyLight®488 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.



WB (Western Blot)

Figure 1. Western blot analysis of CTNNBL1 using anti-CTNNBL1 antibody (AAA128222).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 Caco-2 whole cell lysates,Lane 4: human HepG2 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-CTNNBL1 antigen affinity purified polyclonal antibody (AAA128222) 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 CTNNBL1 at approximately 65 kDa. The expected band size for CTNNBL1 is at 65 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-CTNNBL1 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-CTNNBL1 antibody	Primary Antibodies
References	1. Conticello, S. G., Ganesh, K., Xue, K., Lu, M., Rada, C., Neuberger, M. S. Interaction between antibody-diversification enzyme AID and spliceosome-associated factor CTNNBL1. Molec. Cell 31: 474-484, 2008.2. Ganesh, K., Adam, S., Taylor, B., Simpson, P., Rada, C., Neuberger, M. CTNNBL1 is a novel nuclear localization sequence-binding protein that recognizes RNA-splicing factors CDC5L and Prp31. J. Biol. Chem. 286: 17091-17102, 2011.3. Jabbour, L., Welter, J. F., Kollar, J., Hering, T. M. Sequence, gene structure, and expression pattern of CTNNBL1, a minor-class intron-containing gene--evidence for a role in apoptosis. Genomics 81: 292-303, 2003.

NCBI AND UNIPROT INFORMATION

NCBI GI #	29840792
NCBI GeneID	56259
UniProt Accession #	Q8WYA6; Q0VAL9; Q0VAM0; Q53HI8; Q5JWZ2; Q5JWZ3; Q5JWZ7; Q5JWZ8; Q8N454; Q8NCL2; Q8TBD6; B4DE16
Molecular Weight	563
NCBI Official Full Name	Beta-catenin-like protein 1
NCBI Official Synonym Full Names	catenin, beta like 1
NCBI Official Symbol	CTNNBL1
NCBI Official Synonym Symbols	NAP; P14L; PP8304; C20orf33; dJ633O20.1

NCBI Protein Information	beta-catenin-like protein 1; nuclear associated protein; testis development protein NYD-SP19
UniProt Protein Name	Beta-catenin-like protein 1
UniProt Gene Name	CTNNBL1
UniProt Synonym Gene Names	C20orf33; NAP
UniProt Entry Name	CTBL1_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/ctnnbl1-antibody-flow-cytometry-western-blot-elisa/128222>