

Rabbit anti-Human PLXNC1 Polyclonal Antibody | anti-PLXNC1 antibody

Anti-PLXNC1 Antibody Picoband

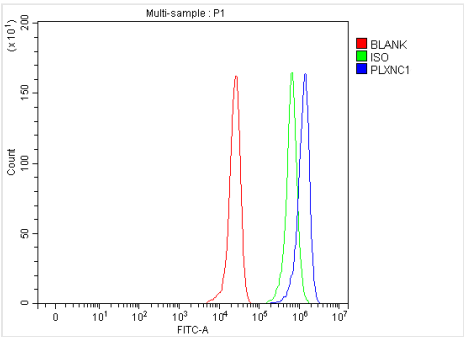
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127684	Rabbit	Human	Western Blot, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

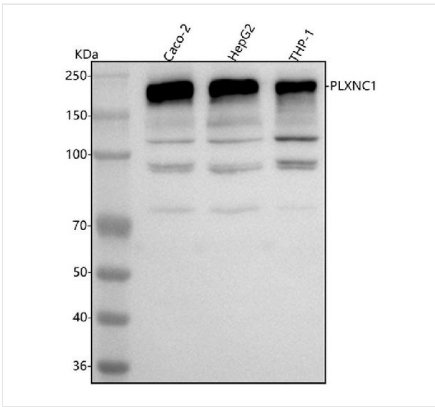
PLXNC1; Polyclonal Antibody; Anti-PLXNC1 Antibody Picoband; anti-PLXNC1 antibody

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-PLXNC1 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), ELISA
Immunogen	E coli-derived human PLXNC1 recombinant protein (Position: K420-R819). Human PLXNC1 shares 78.6% amino acid (aa) sequence identity with mouse PLXNC1.
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-PLXNC1 antibody (AAA127684).Overlay histogram showing HepG2 cells stained with AAA127684 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-PLXNC1 Antibody (AAA127684, 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 PLXNC1 using anti-PLXNC1 antibody (AAA127684).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 Caco-2 whole cell lysates,Lane 2: human HepG2 whole cell lysates,Lane 3: human THP-1 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-PLXNC1 antigen affinity purified polyclonal antibody (#AAA127684) at 0.25ug/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 PLXNC1 at approximately 220 kDa. The expected band size for PLXNC1 is at 176 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PLXNC1 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-PLXNC1 antibody	Primary Antibodies
References	1. Comeau, M. R., Johnson, R., DuBose, R. F., Petersen, M., Gearing, P., VandenBos, T., Park, L., Farrah, T., Buller, R. M., Cohen, J. I., Stockbine, L. D., Rauch, C., Spriggs, M. K. A poxvirus-encoded semaphorin induces cytokine production from monocytes and binds to a novel cellular semaphorin receptor, VESPR. Immunity 8: 473-482, 1998. 2. Tamagnone, L., Artigiani, S., Chen, H., He, Z., Ming, G., Song, H., Chedotal, A., Winberg, M. L., Goodman, C. S., Poo, M., Tessier-Lavigne, M., Comoglio, P. M. Plexins are a large family of receptors for transmembrane, secreted, and GPI-anchored semaphorins in vertebrates. Cell 99: 71-80, 1999. Note: Erratum: Cell 104: following 320, 2001.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5032223
NCBI GeneID	10154
NCBI Accession #	NP_005752.1
NCBI GenBank Nucleotide #	NM_005761.2
UniProt Accession #	O60486; Q59H25
Molecular Weight	175,742 Da
NCBI Official Full Name	plexin-C1
NCBI Official Synonym Full Names	plexin C1

NCBI Official Symbol	PLXNC1
NCBI Official Synonym Symbols	CD232; VESPR; PLXN-C1
NCBI Protein Information	plexin-C1
UniProt Protein Name	Plexin-C1
UniProt Gene Name	PLXNC1
UniProt Synonym Gene Names	VESPR

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/plxnc1-antibody-western-blot-flow-cytometry-elisa/127684>