

Rabbit anti-Human PLXNB2 Polyclonal Antibody | anti-PLXNB2 antibody

Anti-PLXNB2 Antibody Picoband

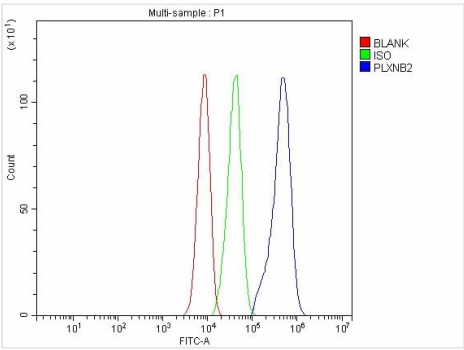
CATALOG # AAA127567	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

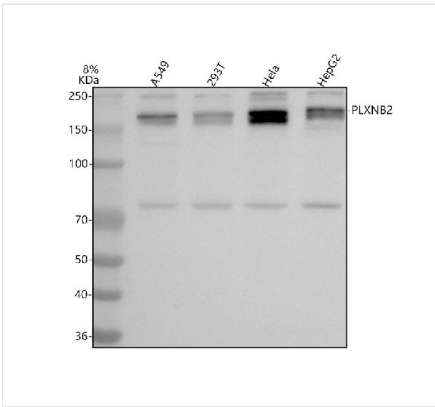
PLXNB2; Polyclonal Antibody; Anti-PLXNB2 Antibody Picoband; anti-PLXNB2 antibody

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-PLXNB2 antibody	ELISA, WB (Western Blot)
Immunogen	E coli-derived human PLXNB2 recombinant protein (Position: E400-E866). Human PLXNB2 shares 81% amino acid (aa) sequence identity with mouse PLXNB2.
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-PLXNB2 antibody (AAA127567).Overlay histogram showing HepG2 cells stained with AAA127567 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-PLXNB2 Antibody (AAA127567, 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.



WB (Western Blot)
Figure 1. Western blot analysis of PLXNB2 using anti-PLXNB2 antibody (AAA127567).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 A549 whole cell lysates,Lane 2: human 293T whole cell lysates,Lane 3: human Hela 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-PLXNB2 antigen affinity purified polyclonal antibody (#AAA127567) 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 PLXNB2 at approximately 205 kDa. The expected band size for PLXNB2 is at 205 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PLXNB2 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-PLXNB2 antibody	Primary Antibodies
References	1. Nagase, T., Ishikawa, K., Nakajima, D., Ohira, M., Seki, N., Miyajima, N., Tanaka, A., Kotani, H., Nomura, N., Ohara, O. Prediction of the coding sequences of unidentified human genes. VII. The complete sequences of 100 new cDNA clones from brain which can code for large proteins in vitro. DNA Res. 4: 141-150, 1997.2. Perrot, V., Vazquez-Prado, J., Gutkind, J. S. Plexin B regulates Rho through the guanine nucleotide exchange factors leukemia-associated Rho GEF (LARG) and PDZ-RhoGEF. J. Biol. Chem. 277: 43115-43120, 2002.3. Shinoura, N., Shamraj, O. I., Hugenholz, H., Zhu, J. G., McBlack, P., Warnick, R., Tew, J. J., Wani, M. A., Menon, A. G. Identification and partial sequence of a cDNA that is differentially expressed in human brain tumors. Cancer Lett. 89: 215-221, 1995.

NCBI AND UNIPROT INFORMATION

NCBI GI #	118341393
NCBI GeneID	23654
UniProt Accession #	O15031; Q7KZU3; Q9BSU7; A6QRH0
Molecular Weight	205,127 Da
NCBI Official Full Name	PLXNB2 protein
NCBI Official Synonym Full Names	plexin B2
NCBI Official Symbol	PLXNB2

NCBI Official Synonym Symbols	MM1; PLEXB2; Nbla00445; dJ402G11.3
NCBI Protein Information	plexin-B2
UniProt Protein Name	Plexin-B2
UniProt Gene Name	PLXNB2
UniProt Synonym Gene Names	KIAA0315

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/plxnb2-antibody-western-blot-elisa/127567>