

Rabbit anti-Human, Rat CCDC88A Polyclonal Antibody | anti-CCDC88A antibody

Anti-CCDC88A Antibody Picoband

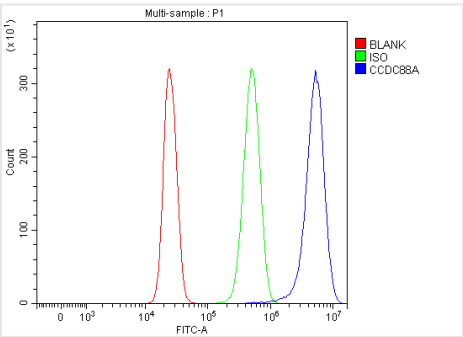
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127170	Rabbit	Human, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

CCDC88A; Polyclonal Antibody; Anti-CCDC88A Antibody Picoband; CD48 antigen; B-lymphocyte activation marker BLAST-1; BCM1 surface antigen; Leukocyte antigen MEM-102; SLAM family member 2; SLAMF2; Signaling lymphocytic activation molecule 2; TCT.1; CD48; BCM1; BLAST1; anti-CCDC88A antibody

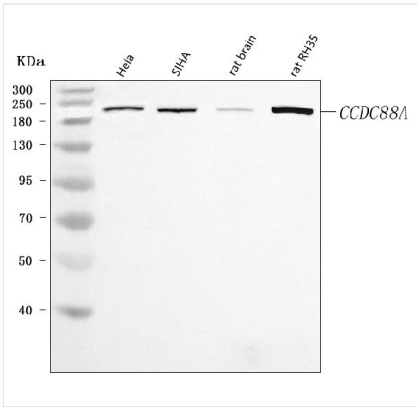
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
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-CCDC88A antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human CCDC88A recombinant protein (Position: K1231-D1836).
Subcellular Localization	Cell membrane, Lipid-anchor, GPI-anchor
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins.
Protein Function	Ligand for CD2. Might facilitate interaction between activated lymphocytes. Probably involved in regulating T-cell activation.
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-CCDC88A antibody (AAA127170). Overlay histogram showing HepG2 cells stained with AAA127170 (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-CCDC88A Antibody (AAA127170, 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 CCDC88A using anti-CCDC88A antibody (AAA127170). 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 HeLa whole cell lysates, Lane 2: human SIHA whole cell lysates, Lane 3: rat brain tissue lysates, Lane 4: rat RH35 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-CCDC88A antigen affinity purified polyclonal antibody (#AAA127170) 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 CCDC88A at approximately 240 kDa. The expected band size for CCDC88A is at 216 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-CCDC88A 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-CCDC88A antibody	Primary Antibodies; Cell Type Markers; Immunology
References	1. Anai, M., Shojima, N., Katagiri, H., Ogiwara, T., Sakoda, H., Onishi, Y., Ono, H., Fujishiro, M., Fukushima, Y., Horike, N., Viana, A., Kikuchi, M., Noguchi, N., Takahashi, S., Takata, K., Oka, Y., Uchijima, Y., Kurihara, H., Asano, T. A novel protein kinase B (PKB)/AKT-binding protein enhances PKB kinase activity and regulates DNA synthesis. J. Biol. Chem. 280: 18525-18535, 2005. 2. Enomoto, A., Asai, N., Namba, T., Wang, Y., Kato, T., Tanaka, M., Tatsumi, H., Taya, S., Tsuboi, D., Kuroda, K., Kaneko, N., Sawamoto, K., Miyamoto, R., Jijiwa, M., Murakumo, Y., Sokabe, M., Seki, T., Kaibuchi, K., Takahashi, M. Roles of disrupted-in-schizophrenia 1-interacting protein girdin in postnatal development of the dentate gyrus. Neuron 63: 774-787, 2009. 3. Enomoto, A., Murakami, H., Asai, N., Morone, N., Watanabe, T., Kawai, K., Murakumo, Y., Usukura, J., Kaibuchi, K., Takahashi, M. Akt/PKB regulates actin organization and cell motility via Girdin/APE. Dev. Cell. 9: 389-402, 2005.

NCBI AND UNIPROT INFORMATION

NCBI GI #	208022632
NCBI GeneID	55704
NCBI Accession #	NP_001129069.1
NCBI GenBank Nucleotide #	NM_001135597.1
UniProt Accession #	Q3V6T2; Q53SF1; Q581G3; Q5HYD0; Q7Z339; Q7Z3C5; A1IGE7; B7ZM78; C9JG83
Molecular Weight	216,042 Da
NCBI Official Full Name	girdin isoform 1

NCBI Official Synonym Full Names	coiled-coil domain containing 88A
NCBI Official Symbol	CCDC88A
NCBI Official Synonym Symbols	APE; GIV; GRDN; HkRP1; GIRDIN; KIAA1212
NCBI Protein Information	girdin; Hook-related protein 1; girders of actin filament; girders of actin filaments; AKT-phosphorylation enhancer; g alpha-interacting vesicle-associated protein
UniProt Protein Name	Girdin
UniProt Gene Name	CCDC88A
UniProt Synonym Gene Names	APE; GRDN; KIAA1212; APE; GIV; HkRP1
UniProt Entry Name	GRDN_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/ccdc88a-antibody-flow-cytometry-western-blot-elisa/127170>