

Rabbit PCDHA2 Polyclonal Antibody | anti-PCDHA2 antibody

Anti-PCDHA2 Antibody Picoband

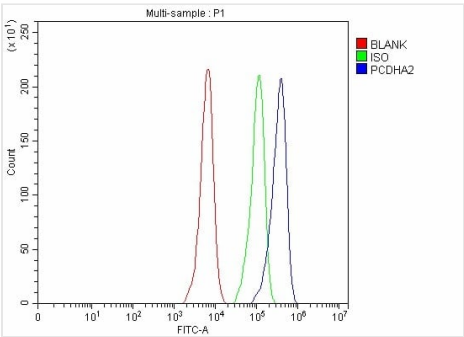
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127828	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

PCDHA2; Polyclonal Antibody; Anti-PCDHA2 Antibody Picoband; anti-PCDHA2 antibody

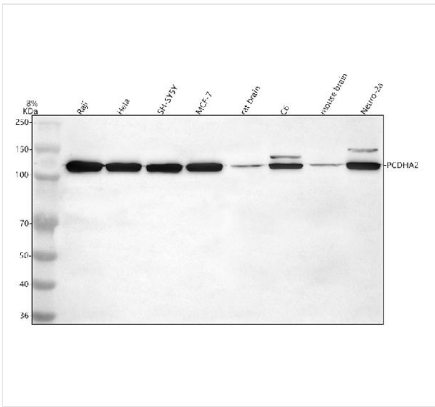
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
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-PCDHA2 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human PCDHA2 recombinant protein (Position: S169-D345).
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 Hela cells using anti-PCDHA2 antibody (AAA127828).Overlay histogram showing Hela cells stained with AAA127828 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-PCDHA2 Antibody (AAA127828, 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 PCDHA2 using anti-PCDHA2 antibody (AAA127828).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 Raji whole cell lysates,Lane 2: human Hela whole cell lysates,Lane 3: human SH-SY5Y whole cell lysates,Lane 4: human MCF-7 whole cell lysates,Lane 5: rat brain tissue lysates,Lane 6: rat C6 whole cell lysates,Lane 7: mouse brain tissue lysates,Lane 8: mouse Neuro-2a 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-PCDHA2 antigen affinity purified polyclonal antibody (#AAA127828) 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 PCDHA2 at approximately 120 kDa. The expected band size for PCDHA2 is at 102,69,87 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PCDHA2 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-PCDHA2 antibody	Primary Antibodies
References	1. Ribich, S., Tasic, B., Maniatis, T. Identification of long-range regulatory elements in the protocadherin-alpha gene cluster. Proc. Nat. Acad. Sci. 103: 19719-19724, 2006. 2. Wu, Q., Maniatis, T. A striking organization of a large family of human neural cadherin-like cell adhesion genes. Cell 97: 779-790, 1999.3. Wu, Q., Zhang, T., Cheng, J.-F., Kim, Y., Grimwood, J., Schmutz, J., Dickson, M., Noonan, J. P., Zhang, M. Q., Myers, R. M., Maniatis, T. Comparative DNA sequence analysis of mouse and human protocadherin gene clusters. Genome Res. 11: 389-404, 2001.

NCBI AND UNIPROT INFORMATION

NCBI GI #	9256584
NCBI GeneID	56146
NCBI Accession #	NP_061728
NCBI GenBank Nucleotide #	NM_018905
UniProt Accession #	Q9Y5H9; O75287; Q9BTV3
Molecular Weight	87,071 Da
NCBI Official Full Name	protocadherin alpha-2 isoform 1

NCBI Official Synonym Full Names	protocadherin alpha 2
NCBI Official Symbol	PCDHA2
NCBI Official Synonym Symbols	PCDH-ALPHA2
NCBI Protein Information	protocadherin alpha-2; KIAA0345-like 12
UniProt Protein Name	Protocadherin alpha-2
UniProt Gene Name	PCDHA2
UniProt Synonym Gene Names	PCDH-alpha-2
UniProt Entry Name	PCDA2_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/pcdha2-antibody-flow-cytometry-western-blot-elisa/127828>