Datasheet for ABIN7600243

anti-PCDHA2 antibody (AA 169-345)

Go to Product page

Overview

Quantity:	100 µg
Target:	PCDHA2
Binding Specificity:	AA 169-345
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PCDHA2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-PCDHA2 Antibody Picoband®
Immunogen:	E.coli-derived human PCDHA2 recombinant protein (Position: S169-D345).
Characteristics:	Anti-PCDHA2 Antibody Picoband® (ABIN7600243). Tested in WB, Flow Cytometry, ELISA applications. This antibody reacts with Human, Mouse, Rat. 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.
Purification:	Immunogen affinity purified.

Target Details

Target:	PCDHA2

Target Details

Alternative Name:	PCDHA2 (PCDHA2 Products)
Background:	Protocadherin alpha-2 is a protein that in humans is encoded by the PCDHA2 gene. This gene is a member of the protocadherin alpha gene cluster, one of three related gene clusters tandemly linked on chromosome five that demonstrate an unusual genomic organization similar to that of B-cell and T-cell receptor gene clusters. The alpha gene cluster is composed of 15 cadherin superfamily genes related to the mouse CNR genes and consists of 13 highly similar and 2 more distantly related coding sequences. The tandem array of 15 N-terminal exons, or variable exons, are followed by downstream C-terminal exons, or constant exons, which are shared by all genes in the cluster. The large, uninterrupted N-terminal exons each encode six cadherin ectodomains while the C-terminal exons encode the cytoplasmic domain. These neural cadherin-like cell adhesion proteins are integral plasma membrane proteins that most likely play a critical role in the establishment and function of specific cell-cell connections in the brain. Alternative splicing has been observed and additional variants have been suggested but their full-length nature has yet to be determined.
Molecular Weight:	120 kDa
Gene ID:	56146
UniProt:	Q9Y5H9

Application Details

Application Notes:	Western blot, 0.1-0.25 µg/mL, Human, Mouse, Rat Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 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.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized

Handling

Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.