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Datasheet for ABIN954033

anti-PCDHA5 antibody (Middle Region)

2 Images

Overview

Quantity:	0.4 mL
Target:	PCDHA5
Binding Specificity:	AA 294-323, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PCDHA5 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 294-323 amino acids from the Central region of human PCDHA5
Isotype:	Ig Fraction
Specificity:	This antibody reacts to PCDHA5.
Cross-Reactivity (Details):	Species reactivity (tested):Human.
Purification:	Affinity chromatography on Protein A

Target Details

Target:	PCDHA5
Alternative Name:	PCDHA5 (PCDHA5 Products)

Target Details

Background: 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. Synonyms: CNRS6, PCDH-alpha-5, Protocadherin alpha-5

Molecular Weight: 102048 Da

Gene ID: 56143

NCBI Accession: [NP_061731](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS, 0.09 % (W/V) sodium azide

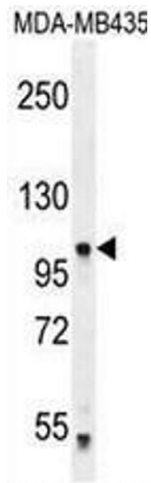
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

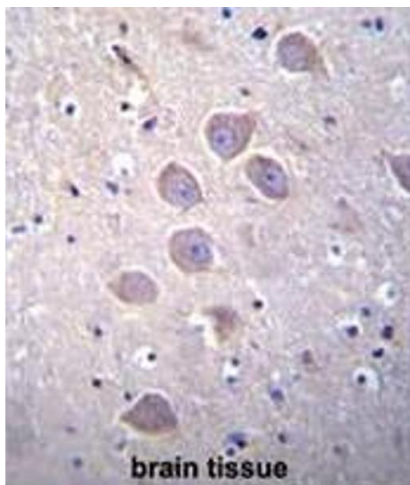
Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. PCDHA5 Antibody (Center) western blot analysis in MDA-MB435 cell line lysates (35µg/lane). This demonstrates the PCDHA5 antibody detected the PCDHA5 protein (arrow).



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. PCDHA5 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of PCDHA5 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.