

Datasheet for ABIN655942
anti-PCDHA5 antibody (AA 287-315)[Go to Product page](#)

2 Images

Overview

Quantity:	400 µL
Target:	PCDHA5
Binding Specificity:	AA 287-315
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PCDHA5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This PCDHA5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 287-315 amino acids from the Central region of human PCDHA5.
Clone:	RB31607
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	PCDHA5
Alternative Name:	PCDHA5 (PCDHA5 Products)
Background:	This gene is a member of the protocadherin alpha gene cluster, one of three related gene

Target Details

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: 102048

Gene ID: 56143

NCBI Accession: [NP_061731](#), [NP_113689](#)

UniProt: [Q9Y5H7](#)

Application Details

Application Notes: WB: 1:1000. IHC-P: 1:10~50

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

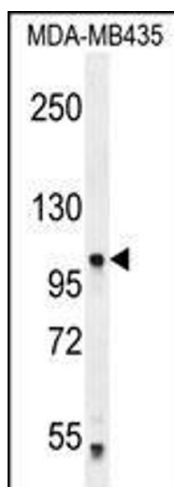
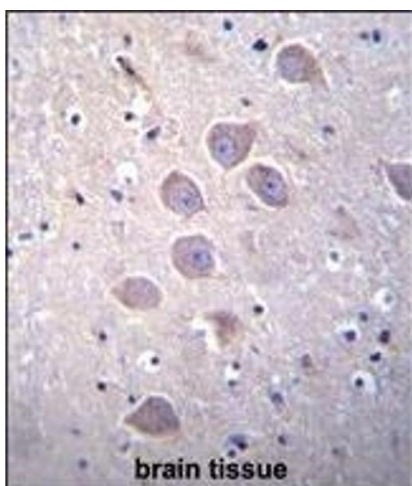
Preservative: Sodium azide

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

Storage: 4 °C,-20 °C

Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. PCDHA5 Antibody (Center) (ABIN655942 and ABIN2845331) 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.

Western Blotting

Image 2. PCDHA5 Antibody (Center) (ABIN655942 and ABIN2845331) western blot analysis in MDA-M cell line lysates (35 µg/lane). This demonstrates the PCDHA5 antibody detected the PCDHA5 protein (arrow).