

Datasheet for ABIN655609

anti-PCDHGA1 antibody (AA 287-315)[Go to Product page](#)**2** Images

Overview

Quantity:	400 µL
Target:	PCDHGA1
Binding Specificity:	AA 287-315
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PCDHGA1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This PCDHGA1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 287-315 amino acids from the Central region of human PCDHGA1.
Clone:	RB31763
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	PCDHGA1
Alternative Name:	PCDHGA1 (PCDHGA1 Products)
Background:	This gene is a member of the protocadherin gamma gene cluster, one of three related clusters

Target Details

tandemly linked on chromosome five. These gene clusters have an immunoglobulin-like organization, suggesting that a novel mechanism may be involved in their regulation and expression. The gamma gene cluster includes 22 genes divided into 3 subfamilies. Subfamily A contains 12 genes, subfamily B contains 7 genes and 2 pseudogenes, and the more distantly related subfamily C contains 3 genes. The tandem array of 22 large, variable region exons are followed by a constant region, containing 3 exons shared by all genes in the cluster. Each variable region exon encodes the extracellular region, which includes 6 cadherin ectodomains and a transmembrane region. The constant region exons encode the common cytoplasmic region. These neural cadherin-like cell adhesion proteins most likely play a critical role in the establishment and function of specific cell-cell connections in the brain. Alternative splicing has been described for the gamma cluster genes.

Molecular Weight: 101226

Gene ID: 56114

NCBI Accession: [NP_061735](#), [NP_114382](#)

UniProt: [Q9Y5H4](#)

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.

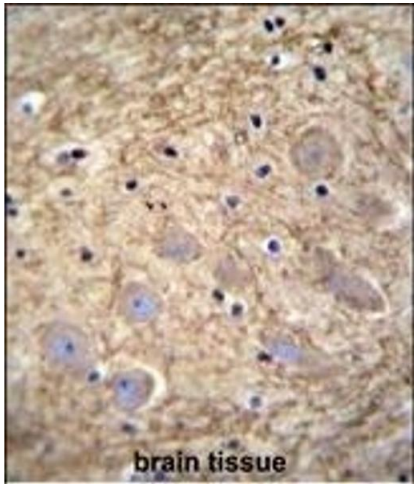
Preservative: Sodium azide

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

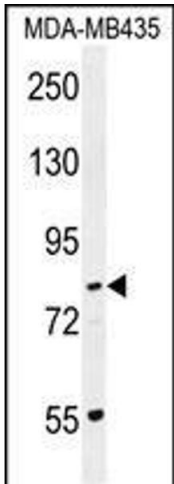
Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. PCDHGA1 Antibody (Center) (ABIN655609 and ABIN2845092) 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 PCDHGA1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 2. PCDHGA1 Antibody (Center) (ABIN655609 and ABIN2845092) western blot analysis in MDA-M cell line lysates (35 µg/lane). This demonstrates the PCDHGA1 antibody detected the PCDHGA1 protein (arrow).