

Datasheet for ABIN655955
anti-PCDHGA8 antibody (C-Term)

3 Images

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Overview

Quantity:	400 µL
Target:	PCDHGA8
Binding Specificity:	AA 781-808, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PCDHGA8 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This PCDHGA8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 781-808 amino acids from the C-terminal region of human PCDHGA8.
Clone:	RB31662
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	PCDHGA8
Alternative Name:	PCDHGA8 (PCDHGA8 Products)

Target Details

Background: This gene is a member of the protocadherin gamma gene cluster, one of three related clusters 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: 101480

Gene ID: 9708

NCBI Accession: [NP_054723](#), [NP_114477](#)

UniProt: [Q9Y5G5](#)

Application Details

Application Notes: IF: 1:10~50. 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.

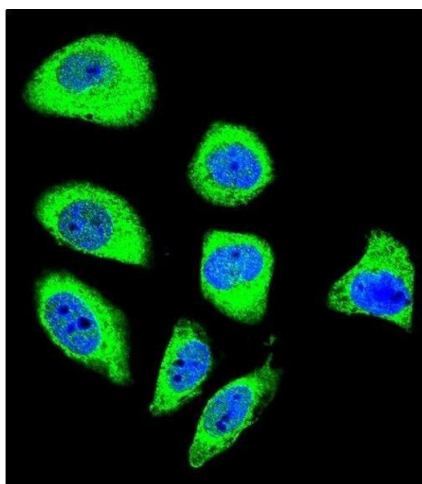
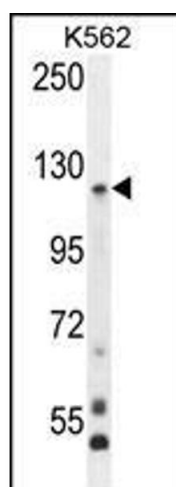
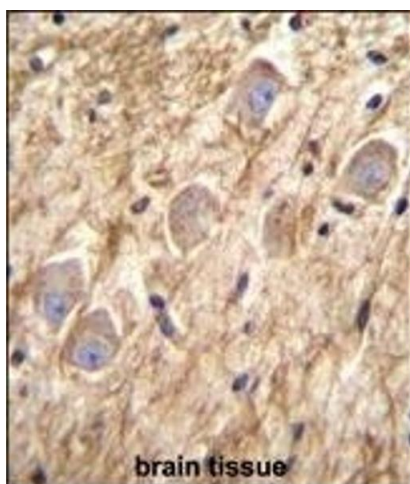
Preservative: Sodium azide

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. PCDHGA8 Antibody (C-term) (ABIN655955 and ABIN2845341) 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 PCDHGA8 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Western Blotting

Image 2. PCDHGA8 Antibody (C-term) (ABIN655955 and ABIN2845341) western blot analysis in K562 cell line lysates (35 µg/lane). This demonstrates the PCDHGA8 antibody detected the PCDHGA8 protein (arrow).

Immunofluorescence

Image 3. Confocal immunofluorescent analysis of PCDHGA8 Antibody (C-term) (ABIN655955 and ABIN2845341) with U-251MG cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclei (blue).