

Datasheet for ABIN656266
anti-PCDHGC5 antibody (AA 499-526)[Go to Product page](#)

2 Images

Overview

Quantity:	400 µL
Target:	PCDHGC5
Binding Specificity:	AA 499-526
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PCDHGC5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This PCDHGC5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 499-526 amino acids from the Central region of human PCDHGC5.
Clone:	RB31976
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	PCDHGC5
Alternative Name:	PCDHGC5 (PCDHGC5 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: 101921

Gene ID: 56097

NCBI Accession: [NP_061752](#), [NP_115783](#)

UniProt: [Q9Y5F6](#)

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.

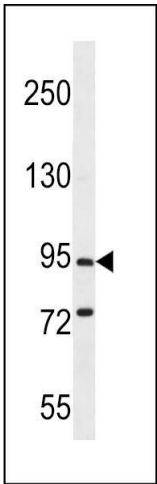
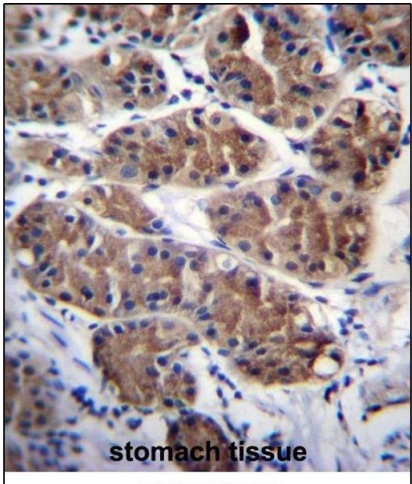
Preservative: Sodium azide

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: PCDHGC5 Antibody (Center) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.

Expiry Date: 6 months



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. PCDHGC5 Antibody (Center) (ABIN656266 and ABIN2845579) immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of PCDHGC5 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

Western Blotting

Image 2. PCDHGC5 Antibody (Center) (ABIN656266 and ABIN2845579) western blot analysis in mouse brain tissue lysates (35 µg/lane). This demonstrates the PCDHGC5 antibody detected the PCDHGC5 protein (arrow).