

Datasheet for ABIN2782182

anti-Protocadherin gamma Subfamily C, 3 (PCDHGC3) (N-Term) antibody



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1 Image

Overview

Quantity:	100 µL
Target:	Protocadherin gamma Subfamily C, 3 (PCDHGC3)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Guinea Pig, Horse, Cow, Dog, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human PCDHGC3
Sequence:	ISEAVAPGTR FPLESAHDPD VGSNSLQTYE LSRNEYFALR VQTREDSTKY
Predicted Reactivity:	Cow: 100%, Dog: 79%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rat: 100%, Zebrafish: 92%
Characteristics:	This is a rabbit polyclonal antibody against PCDHGC3. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	Protocadherin gamma Subfamily C, 3 (PCDHGC3)
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Target Details

Alternative Name:	PCDHGC3 (PCDHGC3 Products)
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. PCDHGC3 is a potential calcium-dependent cell-adhesion protein. It may be involved in the establishment and maintenance of specific neuronal connections in the brain. 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. Alias Symbols: PC43, PCDH-GAMMA-C3, PCDH2 Protein Interaction Partner: UBC, MFSD3, HGD, APP, Protein Size: 863
Molecular Weight:	91 kDa
Gene ID:	5098
NCBI Accession:	NM_032402 , NP_115778

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 863 AA
Restrictions:	For Research Use only

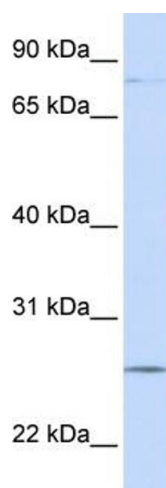
Handling

Format:	Liquid
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Handling

Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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 freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-PCDHGC3 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:12500 Positive Control: 721_B cell lysate There is BioGPS gene expression data showing that PCDHGC3 is expressed in 721_B