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Datasheet for ABIN2459282 anti-PCDHGC4 antibody

Image



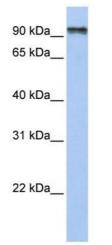
Overview

100 µL
PCDHGC4
Human, Mouse
Rabbit
Polyclonal
This PCDHGC4 antibody is un-conjugated
Western Blotting (WB), ELISA
Antibody produced in rabbits immunized with a synthetic peptide corresponding a region of human PCDHGC4.
Antibody is purified by peptide affinity chromatography method.
PCDHGC4
PCDHGC4 (PCDHGC4 Products)
PCDHGC4 is a single-pass type I membrane protein. It contains 6 cadherin domains.PCDHGC4 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

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	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:	98 kDa
Gene ID:	56098
NCBI Accession:	NP_061751
UniProt:	Q9Y5F7
Application Details	
Application Notes:	PCDHGC4 antibody can be used for detection of PCDHGC4 by ELISA at 1:1562500. PCDHGC4
	antibody can be used for detection of PCDHGC4 by western blot at 1 $\mu\text{g}/\text{mL}$, and HRP
	conjugated secondary antibody should be diluted 1:50,000 - 100,000.
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Add 50 ?L of distilled water. Final antibody concentration is 1 mg/mL.
Concentration:	1 mg/mL
Buffer:	Antibody is lyophilized in PBS buffer with 2 % sucrose.
Handling Advice:	As with any antibody avoid repeat freeze-thaw cycles.
Storage:	4 °C/-20 °C
Storage Comment:	For short periods of storage (days) store at 4 °C. For longer periods of storage, store PCDHGC4 antibody at -20 °C.

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Western Blotting	

Image 1.

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