

PCDAD Rabbit Polyclonal Antibody

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Catalog # AP93419

Product Information

Application	WB
Primary Accession	Q9Y5I0
Reactivity	Human, Rat, Mouse
Host	Polyclonal, Rabbit, IgG
Clonality	Polyclonal
Calculated MW	102483

Additional Information

Gene ID	56136
Other Names	Protocadherin alpha-13, PCDH-alpha-13, PCDHA13, CNRS5
Dilution	WB~~1:1000
Storage Conditions	-20°C

Protein Information

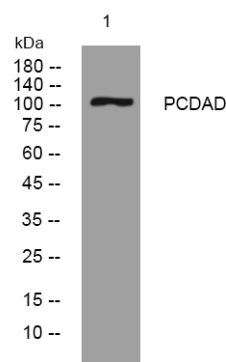
Name	PCDHA13
Synonyms	CNRS5
Function	Potential calcium-dependent cell-adhesion protein. May be involved in the establishment and maintenance of specific neuronal connections in the brain.
Cellular Location	Cell membrane; Single-pass type I membrane protein

Background

This gene is a member of the protocadherin alpha gene cluster, one of three related gene clusters tandemly linked on chromosome five that demonstrate an unusual genomic organization similar to that of B-cell and T-cell receptor gene clusters. The alpha gene cluster is composed of 15 cadherin superfamily genes related to the mouse CNR genes and consists of 13 highly similar and 2 more distantly related coding sequences. The tandem array of 15 N-terminal exons, or variable exons, are followed by downstream C-terminal exons, or constant exons, which are shared by all genes in the cluster. The large, uninterrupted N-terminal exons each encode six cadherin ectodomains while the C-terminal exons encode the cytoplasmic domain. These neural cadherin-like cell adhesion proteins are integral plasma membrane proteins that most likely play a critical role in the establishment and function of specific cell-cell connections in the brain. Alternative splicing has been observed and additional variants have been suggested but their full-length nature has yet

to be determined. [provided by RefSeq, Jul 2008],

Images



Western blot analysis of lysates from 293T cells, primary antibody was diluted at 1:1000, 4°over night

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