

PCDHB8 (9N15) Mouse Monoclonal antibody

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Catalog # AP93885

Product Information

Application	WB
Primary Accession	Q9UN66
Reactivity	Human
Clonality	Monoclonal
Calculated MW	87591

Additional Information

Gene ID	56128
Other Names	Protocadherin beta-8, PCDH-beta-8, Protocadherin-3I, PCDHB8 (HGNC:8693), PCDH3I
Dilution	WB~~1:1000
Storage Conditions	-20°C

Protein Information

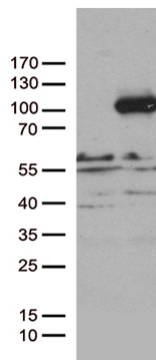
Name	PCDHB8 (HGNC:8693)
Synonyms	PCDH3I
Function	Calcium-dependent cell-adhesion protein involved in cells self-recognition and non-self discrimination. Thereby, it is involved in the establishment and maintenance of specific neuronal connections in the brain.
Cellular Location	Cell membrane {ECO:0000250 UniProtKB:Q91XZ2}; Single-pass type I membrane protein {ECO:0000250 UniProtKB:Q91XZ2}

Background

This gene is a member of the protocadherin beta gene cluster, one of three related gene clusters tandemly linked on chromosome five. The gene clusters demonstrate an unusual genomic organization similar to that of B-cell and T-cell receptor gene clusters. The beta cluster contains 16 genes and 3 pseudogenes, each encoding 6 extracellular cadherin domains and a cytoplasmic tail that deviates from others in the cadherin superfamily. The extracellular domains interact in a homophilic manner to specify differential cell-cell connections. Unlike the alpha and gamma clusters, the transcripts from these genes are made up of only one large exon, not sharing common 3' exons as expected. These neural cadherin-like cell adhesion proteins are integral plasma membrane proteins. Their specific functions are unknown but they most likely play a

critical role in the establishment and function of specific cell-cell neural connections. [provided by RefSeq, Jul 2008]

Images



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY PCDHB8 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PCDHB8 (1:500). Positive lysates (100ug) and (20ug) can be purchased separately from biodragon.

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