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PCDHB10 Antibody (monoclonal) (M07)

Mouse monoclonal antibody raised against a partial recombinant PCDHB10.
Catalog # AT3222a

Product Information

Application	WB, IF
Primary Accession	Q9UN67
Other Accession	NM_018930
Reactivity	Human, Mouse
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	4C4
Calculated MW	87621

Additional Information

Gene ID	56126
Other Names	Protocadherin beta-10, PCDH-beta-10, PCDHB10
Target/Specificity	PCDHB10 (NP_061753, 27 a.a. ~ 125 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	PCDHB10 Antibody (monoclonal) (M07) is for research use only and not for use in diagnostic or therapeutic procedures.

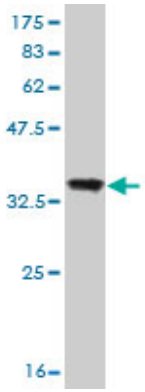
Background

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.

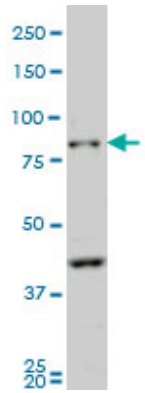
References

1.Gene expression profiling-based identification of cell-surface targets for developing multimeric ligands in pancreatic cancer.Balagurunathan Y, Morse DL, Hostetter G, Shanmugam V, Stafford P, Shack S, Pearson J, Trissal M, Demeure MJ, Von Hoff DD, Hruby VJ, Gillies RJ, Han H.Mol Cancer Ther. 2008 Sep;7(9):3071-80. Epub 2008 Sep 2.

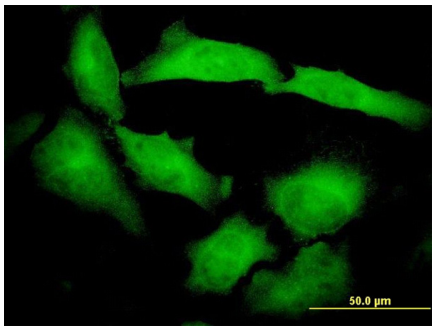
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.63 KDa) .



PCDHB10 monoclonal antibody (M07), clone 4C4 Western Blot analysis of PCDHB10 expression in NIH/3T3 ((Cat # AT3222a)



Immunofluorescence of monoclonal antibody to PCDHB10 on HeLa cell. [antibody concentration 10 ug/ml]