10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PCDH10 Antibody (monoclonal) (M07)

Mouse monoclonal antibody raised against a partial recombinant PCDH10.
Catalog # AT3212a

Product Information

Application	WB, E
Primary Accession	Q9P2E7
Other Accession	NM_020815
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	2H6
Calculated MW	112936

Additional Information

Gene ID	57575
Other Names	Protocadherin-10, PCDH10, KIAA1400
Target/Specificity	PCDH10 (NP_065866, 18 a.a. ~ 127 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
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	PCDH10 Antibody (monoclonal) (M07) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

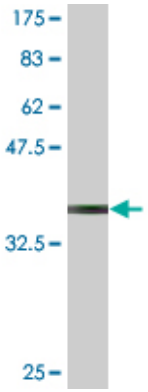
This gene belongs to the protocadherin gene family, a subfamily of the cadherin superfamily. The mRNA encodes a cadherin-related neuronal receptor thought to play a role in the establishment and function of specific cell-cell connections in the brain. This family member contains 6 extracellular cadherin domains, a transmembrane domain and a cytoplasmic tail differing from those of the classical cadherins. Alternatively spliced transcripts encode isoforms with unique cytoplasmic domains.

References

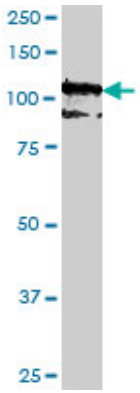
Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.High-resolution melting analysis of PCDH10

methylation levels in gastric, colorectal and pancreatic cancers. Yu B, et al. Neoplasma, 2010. PMID 20353276.Field methylation silencing of the protocadherin 10 gene in cervical carcinogenesis as a potential specific diagnostic test from cervical scrapings. Wang KH, et al. Cancer Sci, 2009 Nov. PMID 19709077.Protocadherin PCDH10, involved in tumor progression, is a frequent and early target of promoter hypermethylation in cervical cancer. Narayan G, et al. Genes Chromosomes Cancer, 2009 Nov. PMID 19681120.Pioneers in the ventral telencephalon: The role of OL-protocadherin-dependent striatal axon growth in neural circuit formation. Hirano S. Cell Adh Migr, 2007 Oct. PMID 19262141.

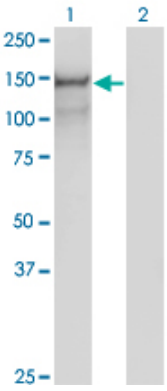
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.84 KDa) .

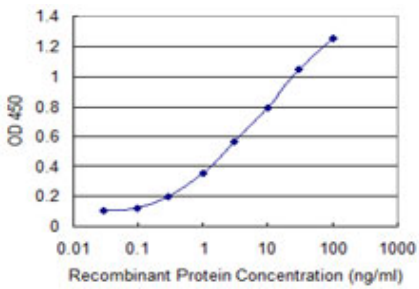


PCDH10 monoclonal antibody (M07), clone 2H6. Western Blot analysis of PCDH10 expression in HepG2 ((Cat # AT3212a)



Western Blot analysis of PCDH10 expression in transfected 293T cell line by PCDH10 monoclonal antibody (M07), clone 2H6.

Lane 1: PCDH10 transfected lysate(112.9 KDa).
Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged PCDH10 is 0.1 ng/ml as a capture antibody.