

Datasheet for ABIN7269735
anti-PCDHb4 antibody (AA 28-300)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	PCDHb4
Binding Specificity:	AA 28-300
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PCDHb4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Purpose:	PCDHB4 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 28-300 of human PCDHB4 (NP_061761.1).
Sequence:	EPIRYSVLEE TEGSFSVAHL AKDLGLGIGE LASRSARVLS DDDKQRLQLD RQTGDLLLRE KLDREELCGP IEPCLVHFQV FLEMPVQFFQ GELLIQDIND HSPIFPEREV LLKILENSQP GTLFPLLIAE DLDVGSNGLQ KYTISPNSHF HILTRNHSEG KKYPDLVQDK PLDREEQPEF SLTLVALDGG SPPRSGTVMV RILIMDINDN APEFVHTPYG VQVLENSPLD SPIVRVLARD IDAGNFGSVS YGLFQASDEI KQTFSINEVT GEI
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Product Details

Purification: Affinity purification

Target Details

Target: PCDHb4

Alternative Name: PCDHB4 ([PCDHb4 Products](#))

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],PCDH-BETA4;PCDHB4,Signal Transduction,Cell Biology & Developmental Biology,Cell Adhesion,Cadherins,Cytoskeleton,Neuroscience,Calcium Signaling,PCDHB4

Gene ID: 56131

UniProt: [Q9Y5E5](#)

Application Details

Application Notes: WB,1:500 - 1:2000,IF,1:50 - 1:200

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

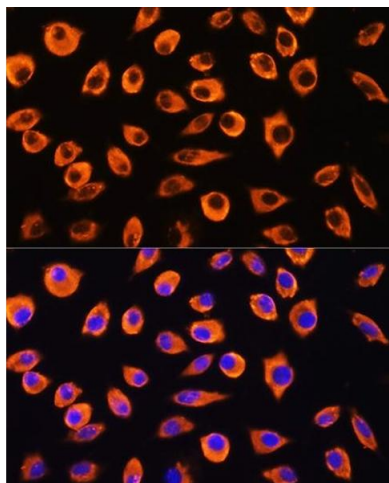
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: -20 °C

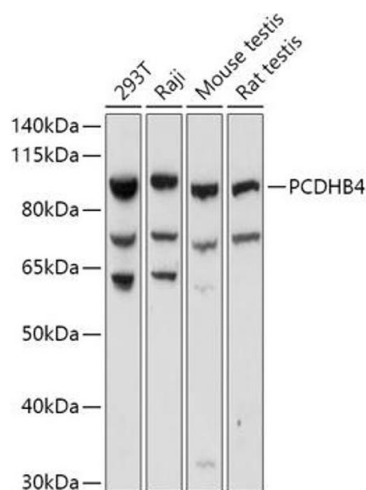
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



Immunofluorescence

Image 1. Immunofluorescence analysis of L929 cells using PCDHB4 Rabbit pAb (ABIN7269735) at dilution of 1:100. Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using PCDHB4 antibody (ABIN7269735) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 5s.