



Anti-PCDHB1 (aa 241-340) polyclonal antibody (DPAB-DC1521)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description

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.

Immunogen

PCDHB1 (NP_037472, 241 a.a. ~ 340 a.a) partial recombinant protein with GST tag.
The sequence is
QFSRLVYRAQVSENSPNSGLVATVTAVDLDEGTNKAITYSLAQNPEAILKTFQIDPQNGE
VRLRGPLDFAIETYDIDIQATDGGGLSAHSKVLVEVDV

Source/Host

Mouse

Species Reactivity

Human

Conjugate

Unconjugated

Applications

WB (Recombinant protein), ELISA,

Size

50 µl

Buffer

50 % glycerol

Preservative

None

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	PCDHB1 protocadherin beta 1 [Homo sapiens (human)]
Official Symbol	PCDHB1
Synonyms	PCDHB1; protocadherin beta 1; PCDH-BETA1; protocadherin beta-1; PCDH-beta-1;
Entrez Gene ID	29930
Protein Refseq	NP_037472
UniProt ID	Q9Y5F3
Chromosome Location	5q31
Function	calcium ion binding;