



Anti-PCDHB14 (aa 181-279) polyclonal antibody (DPAB-DC2489)

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	PCDHB14 (NP_061757, 181 a.a. ~ 279 a.a) partial recombinant protein with GST tag. The sequence is KIPDSSDRKIYPELVLDRLDYEQEAELRLTLTAVDGGSPKSGTTLVLIKVLDINDNAP EFPQSLYEYVQVPEDRPLGSIWATISAKDLDAAGNYGKISY
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	PCDHB14 protocadherin beta 14 [Homo sapiens (human)]
Official Symbol	PCDHB14
Synonyms	PCDHB14; protocadherin beta 14; PCDH-BETA14; protocadherin beta-14;
Entrez Gene ID	56122
Protein Refseq	NP_061757
UniProt ID	Q9Y5E9
Chromosome Location	5q31
Function	calcium ion binding;