



Anti-PCDHA3 (aa 180-287) polyclonal antibody (DPAB-DC2500)

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 alpha gene cluster, one of three related gene clusters tandemly linked on chromosome five that demonstrate an unusual genomic organization similar to that of B-cell and T-cell receptor gene clusters. The alpha gene cluster is composed of 15 cadherin superfamily genes related to the mouse CNR genes and consists of 13 highly similar and 2 more distantly related coding sequences. The tandem array of 15 N-terminal exons, or variable exons, are followed by downstream C-terminal exons, or constant exons, which are shared by all genes in the cluster. The large, uninterrupted N-terminal exons each encode six cadherin ectodomains while the C-terminal exons encode the cytoplasmic domain. These neural cadherin-like cell adhesion proteins are integral plasma membrane proteins that most likely play a critical role in the establishment and function of specific cell-cell connections in the brain. Alternative splicing has been observed and additional variants have been suggested but their full-length nature has yet to be determined.
Immunogen	PCDHA3 (NP_061729, 180 a.a. ~ 287 a.a) partial recombinant protein with GST tag. The sequence is LDVKRNDEEIKSLGLVKKNLNREDTPKHYLLITAIDGGKPELTGTTQLKITVLDVNDNA PAFERTIYKVRLLENAPNGTLLVTVNATDLDEGVNKDIAYSFNTDMSA
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	PCDHA3 protocadherin alpha 3 [Homo sapiens (human)]
Official Symbol	PCDHA3
Synonyms	PCDHA3; protocadherin alpha 3; PCDH-ALPHA3; protocadherin alpha-3; PCDH-alpha-3; KIAA0345-like 11;
Entrez Gene ID	56145
Protein Refseq	NP_061729
UniProt ID	Q9Y5H8
Chromosome Location	5q31
Function	calcium ion binding;
