Anti-PCDHGB7 (aa 199-291) polyclonal antibody (DPAB-DC2479)

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 gamma gene cluster, one of three related clusters tandemly linked on chromosome five. These gene clusters have an immunoglobulin-like organization, suggesting that a novel mechanism may be involved in their regulation and expression. The gamma gene cluster includes 22 genes divided into 3 subfamilies. Subfamily A contains 12 genes, subfamily B contains 7 genes and 2 pseudogenes, and the more distantly related subfamily C contains 3 genes. The tandem array of 22 large, variable region exons are followed by a constant region, containing 3 exons shared by all genes in the cluster. Each variable region exon encodes the extracellular region, which includes 6 cadherin ectodomains and a transmembrane region. The constant region exons encode the common cytoplasmic region. These neural cadherin-like cell adhesion proteins most likely play a critical role in the establishment and function of specific cell-cell connections in the brain. Alternative splicing has been described for the gamma cluster genes.
Immunogen	PCDHGB7 (NP_061750, 199 a.a. ~ 291 a.a) partial recombinant protein with GST tag. The sequence is TLDRETQSAHHLVLTALDGGDPPRSGTAQIRILVIDANDNPPVFSQDVYRVSLREDVPPG TSILRVKATDQDEGINSEITYSFFGVADKAQHV
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Cell lysate), 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	PCDHGB7 protocadherin gamma subfamily B, 7 [Homo sapiens (human)]
Official Symbol	PCDHGB7
Synonyms	PCDHGB7; protocadherin gamma subfamily B, 7; ME6; PCDH-GAMMA-B7; protocadherin gamma-B7; cadherin ME6;
Entrez Gene ID	56099
Protein Refseq	NP_061750
UniProt ID	Q9Y5F8
Chromosome Location	5q31
Function	calcium ion binding;