



Anti-PCDHGB5 (aa 283-373) polyclonal antibody (DPAB-DC2480)

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

PCDHGB5 (NP_061748, 283 a.a. ~ 373 a.a) partial recombinant protein with GST tag.
The sequence is
RTGQIFSLNSKSGEITTQKKLDFEETKEYSMVVEGRDGGGLVAQCTVEINIQDENDNSPE
VTFHSLLEMILENAVPGTIALIKIHDQDSG

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	PCDHGB5 protocadherin gamma subfamily B, 5 [Homo sapiens (human)]
Official Symbol	PCDHGB5
Synonyms	PCDHGB5; protocadherin gamma subfamily B, 5; PCDH-GAMMA-B5; protocadherin gamma-B5;
Entrez Gene ID	56101
Protein Refseq	NP_061748
UniProt ID	Q9Y5G0
Chromosome Location	5q31
Function	calcium ion binding; molecular_function;