



# Anti-PCDHC3 (aa 71-178) polyclonal antibody (DPAB-DC2111)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	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.
<b>Immunogen</b>	PCDHC3 (NP_002579, 71 a.a. ~ 178 a.a) partial recombinant protein with GST tag. The sequence is GASRRFFEVNRETGEMFVNDRLDREELCGTLPSCTVTLELVENPLELFSVEVVIQDIND NNPAFPQTQEMKLEISEAVAPGTRFPLESAHDPDVGSNSLQTYELSRNE
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol

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<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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## GENE INFORMATION

<b>Gene Name</b>	<a href="#">PCDHGC3 protocadherin gamma subfamily C, 3 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	PCDHGC3
<b>Synonyms</b>	PCDHGC3; protocadherin gamma subfamily C, 3; PC43; PCDH2; PCDH-GAMMA-C3; protocadherin gamma-C3; cadherin-like 2; protocadherin 2; protocadherin-2; protocadherin 43; protocadherin-43;
<b>Entrez Gene ID</b>	<a href="#">5098</a>
<b>Protein Refseq</b>	<a href="#">NP_002579</a>
<b>UniProt ID</b>	<a href="#">Q9BR81</a>
<b>Chromosome Location</b>	5q31
<b>Function</b>	calcium ion binding;

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