## PCDHGB5 Polyclonal Antibody

Cat \#: G-AB-04889

| Host: Rabbit | Reactivity: Human |
| :--- | :--- |
| Isotype: IgG | Clonality: Polyclonal |

## Overview:

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.

## Gene ID:

Accession \#: NP061748

Immunogen: Synthetic peptide of human PCDHGB5

Conjugation: Unconjugated

## Swissprot: Q9Y5G0

## Calculated Molecular Weight:

## Observed Molecular Weight:

Concentration: $1.4 \mathrm{mg} / \mathrm{mL}$

Buffer: PBS with 0.05\% NaN3 and 40\% Glycerol, pH7.4

Purification Method: Antigen affinity purification

Application: IHC,ELISA

Dilution: IHC 1:30-1:150, ELISA 1:5000-1:10000

Storage: Store at $-20^{\circ} \mathrm{C}$. Avoid freeze / thaw cycles.

