

Product Description

Pioneering GTPase and Oncogene Product Development since 2010

PCDHGB5 RABBIT PAB

Cat.#: S214567

Product Name: Anti-PCDHGB5 Rabbit Polyclonal Antibody

Synonyms: PCDH-GAMMA-B5

UNIPROT ID: Q9Y5G0 (Gene Accession - NP_061748)

Background: 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: Synthetic peptide of human PCDHGB5

Applications: ELISA, IHC

Recommended Dilutions: IHC: 25-100; ELISA: 5000-10000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG **Purification:** Antigen affinity purification

Species Reactivity: Human

Constituents: PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40%

glycerol

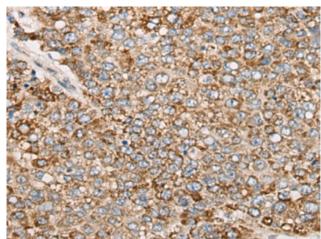
Research Areas: Neuroscience

Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing

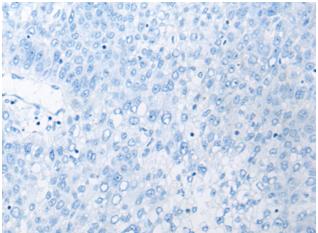


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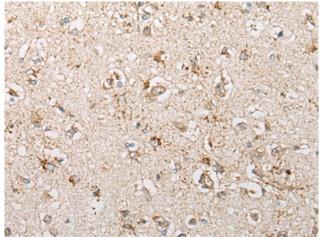
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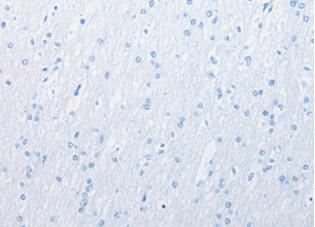
Immunohistochemistry analysis of paraffin embedded Human liver cancer tissue using 214567(PCDHGB5 Antibody) at a dilution of 1/25(Cytoplasm).



In comparision with the IHC on the left, the same paraffin-embedded Human liver cancer tissue is first treated with the synthetic peptide and then with 214567(Anti-PCDHGB5 Antibody) at dilution 1/25.



The image on the left is immunohistochemistry of paraffinembedded Human brain tissue using 214567(Anti-PCDHGB5 Antibody) at a dilution of 1/25.



In comparision with the IHC on the left, the same paraffin-embedded Human brain tissue is first treated with synthetic peptide and then with D162026(Anti-PCDHGB5 Antibody) at dilution 1/25.