

For Research Use Only

# PCDHGC5 Polyclonal antibody, PBS Only

Catalog Number: 23848-1-PBS



## Basic Information

<b>Catalog Number:</b> 23848-1-PBS	<b>GenBank Accession Number:</b> BC112081	<b>Purification Method:</b> Antigen Affinity purified
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 56097	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9Y5F6	
<b>Isotype:</b> IgG	<b>Full Name:</b> protocadherin gamma subfamily C, 5	
<b>Immunogen Catalog Number:</b> AG20867	<b>Calculated MW:</b> 581aa,65 kDa; 944aa,102 kDa	

## Applications

**Tested Applications:**  
IHC, Indirect ELISA

**Species Specificity:**  
human

## Background Information

Protocadherins, which constitute the largest subgroup within the cadherin superfamily, are predominantly expressed in the nervous system and are probably involved in the regulation of neuronal recognition and connectivity (PMID: 17936607; 12231349; 17133224). The protocadherin subfamily can be further subdivided into three groups: the clustered protocadherins, comprising  $\alpha$ -,  $\beta$ - and  $\gamma$ -protocadherins;  $\delta$ -protocadherins; and others, many of which are solitary (PMID: 17133224). Disruption of the  $\gamma$ -protocadherins locus causes neonatal lethality, and Pcdhgc3, Pcdhgc4, and Pcdhgc5 are essential for the observed lethality.

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

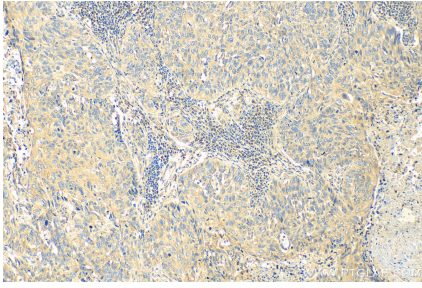
For technical support and original validation data for this product please contact:

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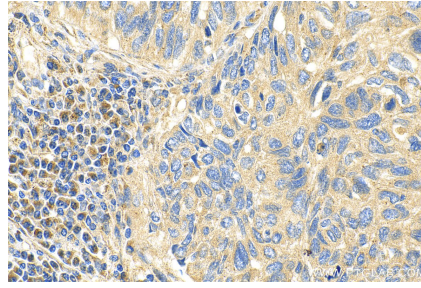
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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 23848-1-AP (PCDHGC5 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 23848-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 23848-1-AP (PCDHGC5 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 23848-1-PBS in a different storage buffer formulation.