

For Research Use Only

PCDH18 Polyclonal antibody

Catalog Number: 34123-1-AP



Basic Information

Catalog Number: 34123-1-AP	GenBank Accession Number: BC093815	Purification Method: Antigen affinity Purification
Source: Rabbit	GeneID (NCBI): 54510	Recommended Dilutions: IHC: 1:50-1:500
Isotype: IgG	UNIPROT ID: Q9HCL0	
Immunogen Catalog Number: AG41285	Full Name: protocadherin 18	
	Calculated MW: 1135 aa, 126 kDa	

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : human lung tissue,
Species Specificity: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

Protocadherin 18 (PCDH18) is a member of the non-clustered protocadherin subfamily within the cadherin superfamily. Encoded by the PCDH18 gene on chromosome 4q28, it contains six to seven extracellular cadherin repeats, a transmembrane domain, and a cytoplasmic tail. PCDH18 is expressed in brain, heart, kidney, lung, and trachea. It plays critical roles in cell-cell adhesion, neuronal migration, axon guidance, and synapse formation during development. Emerging evidence links PCDH18 mutations or dysregulation to neurodevelopmental disorders, including autism spectrum disorder and intellectual disability, as well as to certain cancers (PMID: 22450339; PMID: 29075151; PMID: 28588296).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

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

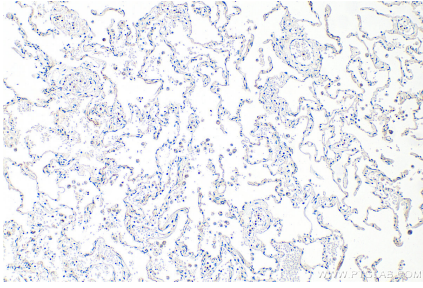
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 34123-1-AP (PCDH18 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).