

PCDH18 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP54381

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q9HCL0
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	126149
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PCDH18
Epitope Specificity	381-480/1135
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cell membrane.
SIMILARITY	Contains 6 cadherin domains.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Protocadherins are a large family of cadherin-like cell adhesion proteins that are involved in the establishment and maintenance of neuronal connections in the brain. There are three protocadherin gene clusters, designated alpha, beta and gamma, all of which contain multiple tandemly arranged genes. PCDH18 (protocadherin 18), also known as PCDH68L, is a 1,135 amino acid single-pass type I cell membrane protein that contains six cadherin domains and a cytoplasmic tail that differs from classical cadherins. Expressed ubiquitously with highest expression in ovary and lung, PCDH18 interacts with Dab1 and functions as a potential calcium-dependent adhesion protein that may be involved in the establishment of cell-cell connections in the brain. Multiple isoforms of PCDH18 exist due to alternative splicing events.

Additional Information

Gene ID	54510
Other Names	Protocadherin-18, PCDH18, KIAA1562
Target/Specificity	Expressed in all tissues, with highest expression in lung and ovary.
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce

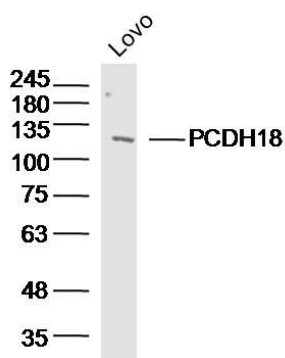
Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	PCDH18
Synonyms	KIAA1562
Function	Potential calcium-dependent cell-adhesion protein.
Cellular Location	Cell membrane; Single-pass type I membrane protein
Tissue Location	Expressed in all tissues, with highest expression in lung and ovary.

Images



Sample: Lovo (human) cell Lysate at 40 ug
Primary: Anti- PCDH18(AP54381) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 123 kD
Observed band size: 123 kD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.