

PCDH18 Rabbit pAb

PCDH18 Rabbit pAb Catalog # AP54381

Product Information

Application WB
Primary Accession Q9HCL0

Reactivity Rat, Rabbit, Dog, Horse

HostRabbitClonalityPolyclonalCalculated MW126149Physical StateLiquid

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

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

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.

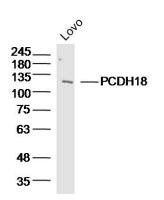
Cellular Location Cell membrane; Single-pass type I membrane protein

Tissue Location Expressed in all tissues, with highest expression in lung and ovary.

Background

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.

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'.