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# PCDH18 Rabbit pAb

PCDH18 Rabbit pAb
Catalog # AP54381

## Product Information

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|---|---|
| **Application** | WB |
| **Primary Accession** | Q9HCL0 |
| **Reactivity** | Human |
| **Predicted** | Mouse, Rat, Dog, Horse, Rabbit, Sheep |
| **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

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| **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

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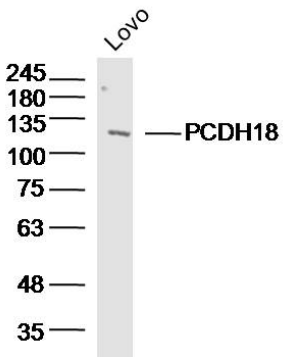
|---|---|
| **Name** | PCDH18 |
| **Synonyms** | KIAA1562 |
| **Function** | Potential calcium-dependent cell-adhesion protein. |
| **Cellular Location** | Cell membrane; Single-pass type I membrane protein |
| **Tissue Location** | Expressed in all tissues, with highest expression in lung and ovary.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

## 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