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# PCDHB15 Rabbit pAb

Catalog # AP96253

## Product Information

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| **Application** | WB, IHC-P, IHC-F, IF, E |
| **Primary Accession** | Q9Y5E8 |
| **Other Accession** | Q9Y5E8 |
| **Predicted** | Rat, Pig, Human, Mouse, Rabbit, Dog, Sheep |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 86329 |
| **Physical State** | Liquid |
| **Immunogen** | KLH conjugated synthetic peptide derived from human PCDHB15. |
| **Epitope Specificity** | 121-220/787 |
| **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; Single-pass type I membrane protein. |
| **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. Pcdhb22 (protocadherin beta 22), also known as PcdhbV or Pcdhb15, is a 794 amino acid murine protein that is thought to function as a calcium-dependent cell-adhesion protein. Pcdhb22 is a homolog of human PCDHB15 (protocadherin beta 15), a 787 amino acid protein that is one of 16 proteins in the protocadherin beta cluster. Unlike the alpha and gamma gene clusters whose genes are spliced to downstream constant region exons during transcription, members of the beta cluster (such as PCDHB15) do not use constant-region exons to produce mRNAs. As a result, each protocadherin beta gene encodes the transmembrane, extracellular and short cytoplasmic domains of the protein. |

## Additional Information

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| **Gene ID** | 56121 |
| **Other Names** | PCDH-BETA15; PCDBF_HUMAN; PCDHB15; PCDH-beta-15; protocadherin beta 15 |
| **Dilution** | WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000 |
| **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** | PCDHB15 |
| **Function** | Potential calcium-dependent cell-adhesion protein. May be involved in the establishment and maintenance of specific neuronal connections in the brain. |
| **Cellular Location** | Cell membrane; Single-pass type I membrane protein |

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