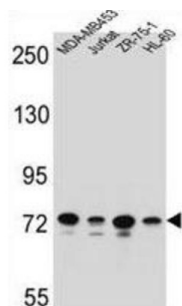


## Protocadherin Beta 15 (PCDHB15) Antibody

Catalogue No.: abx026558



This gene is a member of the protocadherin beta gene cluster, one of three related gene clusters tandemly linked on chromosome five. The gene clusters demonstrate an unusual genomic organization similar to that of B-cell and T-cell receptor gene clusters. The beta cluster contains 16 genes and 3 pseudogenes, each encoding 6 extracellular cadherin domains and a cytoplasmic tail that deviates from others in the cadherin superfamily. The extracellular domains interact in a homophilic manner to specify differential cell-cell connections. Unlike the alpha and gamma clusters, the transcripts from these genes are made up of only one large exon, not sharing common 3' exons as expected. These neural cadherin-like cell adhesion proteins are integral plasma membrane proteins. Their specific functions are unknown but they most likely play a critical role in the establishment and function of specific cell-cell neural connections.

|                               |                                                                                                           |
|-------------------------------|-----------------------------------------------------------------------------------------------------------|
| <b>Target:</b>                | Protocadherin Beta 15 (PCDHB15)                                                                           |
| <b>Clonality:</b>             | Polyclonal                                                                                                |
| <b>Reactivity:</b>            | Human                                                                                                     |
| <b>Tested Applications:</b>   | ELISA, WB                                                                                                 |
| <b>Host:</b>                  | Rabbit                                                                                                    |
| <b>Recommended dilutions:</b> | WB: 1/1000. Optimal dilutions/concentrations should be determined by the end user.                        |
| <b>Conjugation:</b>           | Unconjugated                                                                                              |
| <b>Immunogen:</b>             | KLH-conjugated synthetic peptide between 113-140 amino acids from the N-terminal region of human PCDHB15. |
| <b>Isotype:</b>               | IgG                                                                                                       |
| <b>Form:</b>                  | Liquid                                                                                                    |
| <b>Purification:</b>          | Purified through a protein A column, followed by peptide affinity purification.                           |
| <b>Storage:</b>               | Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.                                            |

# Datasheet

Version: 2.0.0

Revision date: 02 Oct 2025



**UniProt Primary AC:** Q9Y5E8 ([UniProt](#), [ExPASy](#))

**Gene Symbol:** PCDHB15

**String:** [9606.ENSP00000231173](#)

**Molecular Weight:** Calculated MW: 86.3 kDa

**Buffer:** PBS containing 0.09% sodium azide.

**Note:** THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only