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# Rabbit Anti-PCDHB12 antibody

SL11153R

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| **Product Name:** | PCDHB12 |
| **Chinese Name:** | 原钙粘蛋白β12抗体 |
| **Alias:** | PCDH beta12; PCDHB 12; PCDHB12; PCDBC_HUMAN. |
| **Organism Species:** | Rabbit |
| **Clonality:** | Polyclonal |
| **React Species:** | Human, |
| **Applications:** | WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair）<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Molecular weight:** | 84kDa |
| **Cellular localization:** | The cell membrane |
| **Form:** | Lyophilized or Liquid |
| **Concentration:** | 1mg/ml |
| **immunogen:** | KLH conjugated synthetic peptide derived from human PCDHB12:121-220/795<Extracellular> |
| **Lsotype:** | IgG |
| **Purification:** | affinity purified by Protein A |
| **Storage Buffer:** | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol. |
| **Storage:** | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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. |
| **PubMed:** | PubMed |
| **Product Detail:** | 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. PCDHB12 (Protocadherin beta 12) is a 795 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 |

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| | constant region exons during transcription, members of the beta cluster (such as PCDHB12) 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. Localized to the cell membrane, PCDHB12 is a single-pass type I membrane protein that contains six cadherin domains. PCDHB12 may participate in the establishment and maintenance of specific neuronal connections in the brain.<br><br>**Function:**<br>Potential calcium-dependent cell-adhesion protein. May be involved in the establishment and maintenance of specific neuronal connections in the brain.<br><br>**Subcellular Location:**<br>Cell membrane; Single-pass type I membrane protein.<br><br>**Similarity:**<br>Contains 6 cadherin domains.<br><br>**SWISS:**<br>Q9Y5F1<br><br>**Gene ID:**<br>56124<br><br>**Database links:**<br>UniProtKB/Swiss-Prot: Q9Y5F1.1<br><br>**Important Note:**<br>This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |

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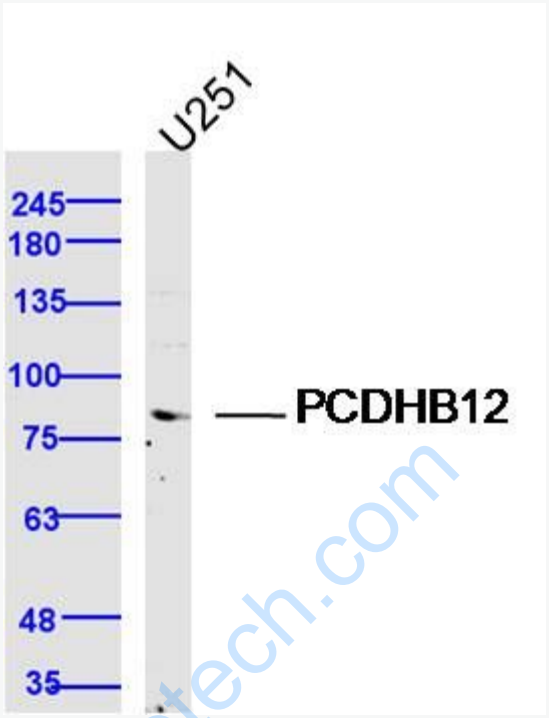
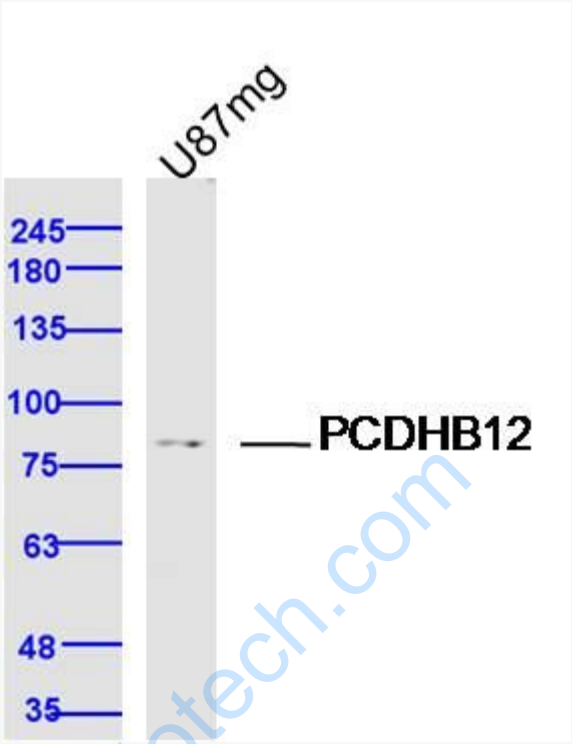
| **Picture:** |  <br>Sample: U251 Cell (Human) Lysate at 40 ug<br>Primary: Anti- PCDHB12 (SL11153R) at 1/300 dilution<br>Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution<br>Predicted band size: 84 kD<br>Observed band size: 84 kD |




Sample: U87MG Cell (Human) Lysate at 40 ug

Primary: Anti- PCDHB12 (SL11153R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 84 kD

Observed band size: 84 kD