



Rabbit Anti-PCDHA2/Biotin Conjugated antibody

SL11116R-Bio

Product Name Anti-PCDHA2/Biotin**Chinese Name** 生物素标记的原钙粘附蛋白 $\alpha 2$ 抗体**Alias** KIAA0345 like 12; PCDH alpha 2; PCDH ALPHA2; Protocadherin alpha 2; PCDA2_HUMAN**Research Area** Neurobiology Signal transduction Cell adhesion molecule Cytoskeleton Extracellular matrix The membrane 蛋白**Immunogen Species** Rabbit**Clonality** Polyclonal**React Species** (predicted:Human,Mouse,Rat,Pig,Cow,Horse,Sheep)
WB=1000-10000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:50-200,IF=1:100-500,ELISA=**Applications** not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.**Molecular weight** 100kDa**Form** Lyophilized or Liquid**Concentration** 1mg/ml**immunogen** KLH conjugated synthetic peptide derived from human PCDHA2**Lsotype** IgG**Purification** affinity purified by Protein A**Storage Buffer** 1M TBS(pH7.4) with 1% BSA, 3% 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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.**background:****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, alpha, beta and gamma, all of which contain multiple tandemly arranged genes. PCDHA2 (protocadherin alpha 2) is a 948 amino acid single-pass type I membrane protein that contains six cadherin domains. It functions as a potential calcium-dependent cell-adhesion protein, possibly playing a role in the c

maintenance of neuronal connections. Multiple isoforms of PCDHA2 exist due to alternative splicing.

Function:

Contains 6 cadherin domains and three named isoforms. Potential calcium dependent cell adhesion molecule. May be involved in the establishment and maintenance of specific neuronal connections in the brain.

Subcellular Location:

Cell membrane; Single pass type I membrane protein

Similarity:

Contains 6 cadherin domains.

Database links:

UniProtKB/Swiss-Prot: Q9Y5H9.1

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.