



## Rabbit Anti-PCDHA5 antibody

SL11119R

<b>Product Name:</b>	PCDHA5
<b>Chinese Name:</b>	原钙粘附蛋白 $\alpha$ 5抗体
<b>Alias:</b>	Cadherin related neuronal receptor 6; CNR 6; CNR6; CNRN 6; CNRN6; CNRS 6; CNRS6; CRNR 6; CRNR6; Ortholog of mouse CNR6; PCDH alpha5; PCDHA 5; Protocadherin alpha 5; PCDA5. HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Pig,Cow,Horse,Sheep,
<b>Applications:</b>	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) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	99kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human PCDHA5:351-250/936<Extracellular>
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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. PCDHA5 (Protocadherin alpha-5) is

one of fifteen members of the protocadherin alpha protein family that is expressed in neurons. PCDHA5 is a 936 amino acid single-pass type I membrane protein containing 6 cadherin domains. Localized to the cell membrane, PCDHA5 functions as a calcium-dependent cell-adhesion protein that is present in synaptic junctions and is essential to the establishment and maintenance of certain cell-cell interactions. PCDHA5 is expressed as 3 isoforms produced by alternative splicing.

**Function:**

Potential calcium-dependent cell-adhesion protein. 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.

**SWISS:**

Q9Y5H7

**Gene ID:**

56143

**Database links:**

[Entrez Gene: 56143](#)Human

[Omim: 606311](#)Human

[SwissProt: Q9Y5H7](#)Human

**Important Note:**

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