



Rabbit Anti-PCDHA7 antibody

SL11121R

Product Name:	PCDHA7
Chinese Name:	原钙粘附蛋白 α 7抗体
Alias:	CNRS4; PCDA7_HUMAN; PCDH alpha 7; PCDH-alpha-7; PCDHA7; Protocadherin alpha 7; Protocadherin alpha-7.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	ELISA=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.
Molecular weight:	98kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PCDHA7:601-700/937<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 (PCDH) gene clusters, designated alpha, beta and gamma, all of which contain multiple tandemly arranged genes. The protein products of PCDH-alpha genes interact with Integrin β 1 to promote cell adhesion and form

oligomers with PCDH-gamma proteins at specific membrane sites. PCDHA7 (Protocadherin alpha-7) is a 937 amino acid single-pass transmembrane protein that contains six cadherin domains and functions as a potential calcium-dependent cell-adhesion protein, possibly playing a role in the creation and maintenance of neuronal connections. There are two isoforms of PCDHA7 that are produced as a result of alternative splicing events.

Function:

Potential calcium-dependent cell-adhesion protein. May be involved in the establishment and maintenance of specific neuronal connections in the brain.

Subunit:

Contains 6 cadherin domains.

Subcellular Location:

Cell membrane.

Similarity:

Contains 6 cadherin domains.

SWISS:

Q9UN72

Gene ID:

56141

Database links:

[Entrez Gene: 56141](#)Human

[Oimim: 606313](#)Human

[SwissProt: Q9UN72](#)Human

[Unigene: 199343](#)Human

Important Note:

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