



Rabbit Anti-PCDHA9 antibody

SL11120R

Product Name:	PCDHA9
Chinese Name:	原钙粘附蛋白 α 9抗体
Alias:	KIAA0345; PCDH alpha 9; Protocadherin alpha 9; PCDA9_HUMAN; Protocadherin alpha-9; PCDH-alpha-9.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,
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:	102kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PCDHA6:501-593/593<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. PCDHA9 (protocadherin alpha 9), also known as KIAA0345, is a 950 amino acid single-pass type I membrane protein that

contains six cadherin domains and is encoded by a gene which is located within the protocadherin alpha gene cluster on human chromosome 5. Existing as multiple alternatively spliced isoforms, PCDHA9 functions as a potential calcium-dependent cell adhesion protein that may be involved in the establishment and maintenance of neuronal connections within the brain.

Function:

RelevancePotential 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:

Q9Y5H5

Gene ID:

9752

Database links:

[Entrez Gene: 9752](#)Human

[Omir: 606315](#)Human

[SwissProt: Q9Y5H5](#)Human

Important Note:

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