



Rabbit Anti-PCDHA3 antibody

SL11117R

Product Name:	PCDHA3
Chinese Name:	原钙粘附蛋白 α 3抗体
Alias:	KIAA0345 like 11; PCDH alpha 3; Protocadherin alpha 3; PCDA3_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Horse,
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:	99kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PCDHA3:131-230/950<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. PCDHA3

(Protocadherin alpha-3) is a 950 amino acid single-pass transmembrane protein that contains six cadherin domains. PCDHA3 is a unique cadherin in that it likely functions in spermatogenesis and may also have a role in organizing germ cell-specific structures, such as the flagellum, acrosome and intercellular bridge. There are two isoforms of PCDHA13 that are produced as a result of alternative splicing events.

Function:

PCDHA3 contains six cadherin domains. It is thought to be a calcium dependent cell adhesion protein and may be involved in the establishment and maintenance of specific neuronal connections in the brain. There are two named isoforms.

Subcellular Location:

Cell membrane; Single pass type I membrane protein.

Similarity:

Contains 6 cadherin domains.

SWISS:

Q9Y5H8

Gene ID:

56145

Database links:

[Entrez Gene: 56145](#)Human

[Entrez Gene: 192163](#)Mouse

[Entrez Gene: 116780](#)Rat

[Oimim: 606309](#)Human

[SwissProt: Q9Y5H8](#)Human

Important Note:

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