



Rabbit Anti-PCDHA8 antibody

SL11122R

Product Name:	PCDHA8
Chinese Name:	原钙粘附蛋白 α 8抗体
Alias:	KIAA0345 like 6; PCDH ALPHA8; Protocadherin alpha 8; PCDA8_HUMAN; PCDH alpha 8; PCDH-alpha-8; Protocadherin alpha 8; Protocadherin alpha-8.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Sheep,
Applications:	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.
Molecular weight:	100kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PCDHA8:451-550/950<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 gene clusters, designated alpha, beta and gamma, all of which contain multiple tandemly arranged genes. PCDHA8 (protocadherin alpha 8) 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, PCDHA8 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:

PCDHA8 is most likely to play a critical role in the establishment and function of specific cell-cell connections in the brain. Alternative splicing has been observed and additional variants have been suggested but their full-length nature has yet to be determined. Two different isoforms are known.

Subcellular Location:

Cell membrane; Single-pass type I membrane protein

Similarity:

Contains 6 cadherin domains.

SWISS:

Q9Y5H6

Gene ID:

56140

Database links:

[Entrez Gene: 56140](#)Human

[Omin: 606314](#)Human

[SwissProt: Q9Y5H6](#)Human

Important Note:

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

Picture:

