



Rabbit Anti-PCDHGA2 antibody

SL11145R

Product Name:	PCDHGA2
Chinese Name:	原钙粘蛋白 γ A2抗体
Alias:	PCDHG-A2; PCDH gamma A2; Protocadherin gamma A2; Protocadherin gamma subfamily A 2; PCDG2_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
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:	98kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PCDHGA2:61-160/932<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. PCDHGA2 (Protocadherin gamma A2) is a 932 amino acid protein that is one of 22 proteins encoded by the protocadherin

gamma cluster. The protocadherin gamma cluster consists of three subfamilies (A, B and C) and PCDHGA2 is a member of the gamma subfamily A. PCDHGA2 contains six cadherin motifs, and characteristic of gamma protocadherins, PCDHGA2 is a type I transmembrane receptor expressed in the central nervous system and localizes to synapses. Members of the gamma cluster of protocadherins are essential for neuronal survival.

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:

Q9Y5H1

Gene ID:

56113

Database links:

[Entrez Gene: 56113](#)Human

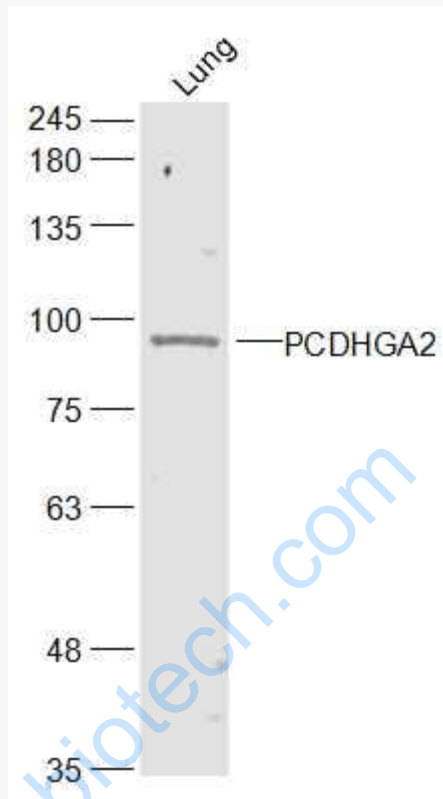
[Entrez Gene: 93710](#)Mouse

UniProtKB/Swiss-Prot: Q9Y5H1.1

Important Note:

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

Picture:



Sample:

Lung (Mouse) Lysate at 40 ug

Primary: Anti-PCDHGA2 (SL11145R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 98 kD

Observed band size: 98 kD