



Rabbit Anti-PCDHGB4 antibody

SL11157R

Product Name:	PCDHGB4
Chinese Name:	原钙粘蛋白 γ B4抗体
Alias:	Cadherin-20; Cadherin20; Cadherin 20; CDH20; FIB2; Fibroblast cadherin FIB2; Fibroblast cadherin-2; PCDGG_HUMAN; PCDH-gamma-B4; PCDHGB4; Protocadherin gamma subfamily B 4; Protocadherin gamma-B4.
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:	97kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PCDHGB4:101-200/923<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:	The cadherins are a family of Ca ²⁺ -dependent adhesion molecules that function to mediate cell-cell binding critical to the maintenance of structure and morphogenesis. Cadherins each contain a large extracellular domain at the N-terminus, which is characterized by a series of five homologous repeats, the most distal of which is

thought to be responsible for binding specificity. Cadherin-20, also known as protocadherin gamma B4, is a member of the protocadherin gamma gene cluster. Expressed primarily in fibroblasts, cadherin-20 plays a critical role in neuronal cell-cell connections in the brain. Through its ability to mediate cell-cell adhesion, cadherin-20 is thought to help the body respond to injury by regulating post-traumatic wound healing.

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:

Q9UN71

Gene ID:

8641

Database links:

[Entrez Gene: 8641](#)Human

[Entrez Gene: 93701](#)Mouse

UniProtKB/Swiss-Prot: Q9UN71.1

Important Note:

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