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Rabbit Anti-PCDHGA5/FITC Conjugated antibody

SL11147R-FITC

Product Name:	Anti-PCDHGA5/FITC
Chinese Name:	FITC标记的原钙粘蛋白γA5抗体
Alias:	PCDG3_HUMAN; PCDH-gamma-A3; PCDHGA3; protocadherin gamma subfamily A, 3; Protocadherin gamma-A3.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Rabbit,Sheep,
Applications:	ICC=1:50-200IF=1:50-200 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 PCDHGA5
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.
Product Detail:	**background:** 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. The protocadherein gamma cluster consists of three subfamilies (A, B and C). As a member of the gamma subfamily A, PCDHGA5 (Protocadherin gamma A5) is a 931 amino acid protein that is one of 22 proteins encoded by the protocadherin gamma cluster. Typical of gamma

	protocadherins, PCDHGA5 contains six cadherin motifs and is a type I transmembrane receptor expressed in the central nervous system. With localization to synapses, members of the gamma cluster of protocadherins are essential for neuronal survival. There are two isoforms of PCDHGA5 that are produced as a result of alternative splicing events. **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. **Database links:** UniProtKB/Swiss-Prot: Q9Y5G8.1 **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.