

bs-11144R**[Primary Antibody]****PCDHGA4 Rabbit pAb**

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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:100-500) ELISA (1:5000-10000) Reactivity: (predicted: Human, Mouse, Horse) Predicted MW.: 98 kDa Subcellular Location: Cell membrane
Clonality: Polyclonal		
GeneID: 56111	SWISS: Q9Y5G9	
Target: PCDHGA4		
Immunogen: KLH conjugated synthetic peptide derived from human PCDHGA4: 91-190/931. < Extracellular >		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
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 (PCDH) gene clusters, designated alpha, beta and gamma, all of which contain multiple tandemly arranged genes. PCDHGA4 (Protocadherin gamma-A4) is a 931 amino acid 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 PCDHGA4 is a member of the gamma subfamily A. PCDHGA4 is a type I transmembrane receptor containing six cadherin motifs and is expressed in the central nervous system where it localizes to synapses. Members of the gamma cluster of protocadherins are essential for neuronal survival. There are two isoforms of PCDHGA4 that are produced as a result of alternative splicing events.		