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## PCDHGA10 Rabbit pAb

Catalog Number: bs-11143R

Target Protein: PCDHGA10

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), ELISA (1:5000-10000)

Reactivity: (predicted:Human, Mouse, Pig, Sheep, Cow, Dog, Horse)

Predicted MW: 98 kDa

Entrez Gene: 56106

Swiss Prot: Q9Y5H3

Source: KLH conjugated synthetic peptide derived from human PCDHGA10: 351-450/936.

Purification: affinity purified by Protein A

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. PCDHGA10 (Protocadherin gamma-A10) is a 936 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 PCDHGA10 is a member of the gamma subfamily A. PCDHGA10 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 PCDHGA10 that are produced as a result of alternative splicing events.