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Rabbit Anti-PCDHA2/AP Conjugated antibody

SL11116R-AP

Product Name	Anti-PCDHA2/AP
Chinese Name	碱性磷酸酶（AP）标记的原钙粘附蛋白 α2 抗体
Alias	KIAA0345 like 12; PCDH alpha 2; PCDH ALPHA2; Protocadherin alpha 2; PCDA2_HUMAN.
Research Area	Neurobiology Signal transduction Cell adhesion molecule Cytoskeleton Extracellular matrix The cell membrane 蛋白
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human,Mouse,Rat,Pig,Cow,Horse,Sheep)
Applications	WB=1000-10000,IHC-P=1:100-500,IHC-F=1:100-500,ELISA=1:500-5000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	100kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human PCDHA2
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% 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 1M 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. PCDHA2 (protocadherin alpha 2) is a 948 amino acid single-pass type I membrane protein that contains six cadherin domains and functions as a potential

calcium-dependent cell-adhesion protein, possibly playing a role in the creation and maintenance of neuronal connections. Mltiple isoforms of PCDHA2 exist due to alternative splicing events.

Function:
Contains 6 cadherin domains and three named isoforms. 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: Q9Y5H9.1

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