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Rabbit Anti-PCDH7/Cy5 Conjugated antibody

SL11085R-Cy5

Product Name	Anti-PCDH7/Cy5
Chinese Name	Cy5 标记的原钙粘蛋白 7 抗体
Alias	BH Pcdh; BH protocadherin; BH-Pcdh; BHPCDH; Brain heart protocadherin; Brain-heart protocadherin; PCDH 7; PCDH7; PCDH-7; PCDH7_HUMAN; Protocadherin 7; Protocadherin7; Protocadherin-7.
Research Area	Neurobiology Signal transduction Cell adhesion molecule Cytoskeleton The cell membrane 蛋白
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human,Mouse(predicted:Rat,Dog,Pig,Cow,Horse,Sheep)
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	113kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human PCDH7
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:** As a subfamily of the cadherin superfamily, protocadherins are cadherin-like cell adhesion proteins that contain up to seven extracellular domains and are predominantly expressed in the nervous system. Importantly, the adhesion mechanism of protocadherins is distinct from classic cadherins. Through inactivation or overexpression, several protocadherins have been implicated in

a variety of cancers. PCDH7 (protocadherin 7), also known as BHPCDH or BH-Pcdh, is a 1069 amino acid single-pass I membrane protein that is expressed in the brain and heart. Containing seven cadherin domains, PCDH7 is thought to function in cell-cell recognition and adhesion. PCDH7 exists as three isoforms due to alternative splicing events.

Function:
Expressed predominantly in brain and heart and at lower levels in various other tissues.

Subcellular Location:
Cell membrane.

Post-translational modifications:
Isoform C is phosphorylated upon DNA damage, probably by ATM or ATR.

Similarity:
Contains 7 cadherin domains.

Database links:

Entrez Gene: 488843 Dog

Entrez Gene: 5099 Human

Entrez Gene: 54216 Mouse

Omim: 602988 Human

SwissProt: O60245 Human

Unigene: 479439 Human

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