

PCDH7 Rabbit pAb

Catalog # AP97504

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	O60245
Other Accession	O60245
Host	Rabbit
Clonality	Polyclonal
Calculated MW	116071
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PCDH7
Epitope Specificity	431-530/1069
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 7 cadherin domains.
Post-translational modifications	Isoform C is phosphorylated upon DNA damage, probably by ATM or ATR.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	5099
Other Names	BH-Pcdh; BHPCDH; PPP1R120; PCDH7_HUMAN; PCDH7; Brain-heart protocadherin (BH-Pcdh); protocadherin 7; BH-protocadherin (brain-heart); protein phosphatase 1, regulatory subunit 120
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	PCDH7
Synonyms	BHPCDH
Cellular Location	Cell membrane; Single-pass type I membrane protein
Tissue Location	Expressed predominantly in brain and heart and at lower levels in various other tissues

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.