



Rabbit Anti-PCDH7 antibody

SL20154R

Product Name:	PCDH7
Chinese Name:	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.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=2µg/TestICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	113kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PCDH7:31-130/1069
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	Preservative: 15mM Sodium Azide, Constituents: 1% BSA, 0.01M PBS, pH 7.4
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 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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.

SWISS:

O60245

Gene ID:

5099

Database links:

[Entrez Gene: 488843](#)Dog

[Entrez Gene: 5099](#)Human

[Entrez Gene: 54216](#)Mouse

[Omim: 602988](#)Human

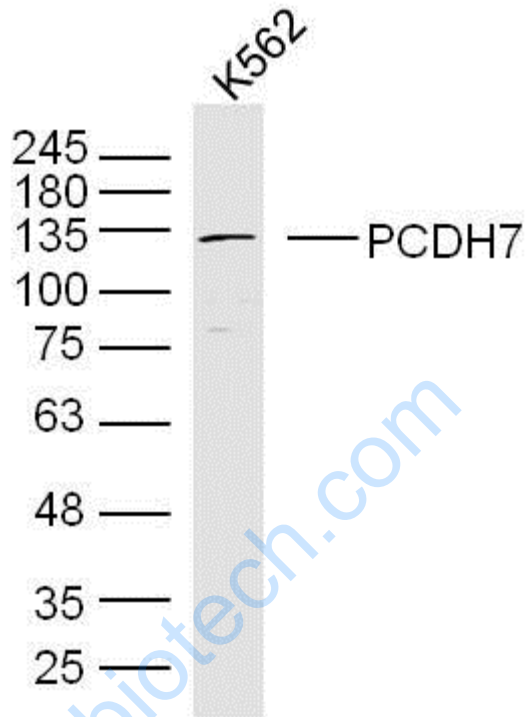
[SwissProt: O60245](#)Human

[Unigene: 479439](#)Human

Important Note:

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

Picture:



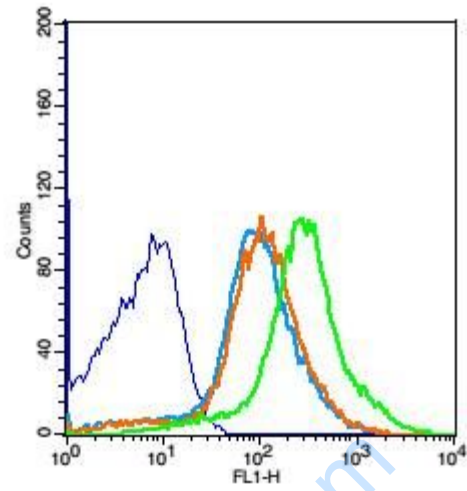
Sample: K562(human)cell Lysate at 40 ug

Primary: Anti-PCDH7 (SL20154R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 113 kD

Observed band size: 133 kD



Key	Name	Parameter
—	(mo)brain-blank-20150602.021	FL1-H
—	bs-0295G-FITC-(mo)br#1DC8DE.022	FL1-H
—	bs-0295P-(FITC)-(mo)#1DC8E7.023	FL1-H
—	bs-20154R-(FITC)-(mo)#1DC8EA.024	FL1-H

Concentration: 2ug/10⁶ cells.

Positive control: Mouse brain cells.

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