



Rabbit Anti-Plakophilin 4 antibody

SL12711R

Product Name:	Plakophilin 4
Chinese Name:	桥粒斑菲素蛋白4抗体
Alias:	Catenin 4 ; Catenin4 ; FLJ31261 ; FLJ42243 ; p0071 ; PKP 4 ; PKP4 ; PKP4_HUMAN ; Plakophilin-4 ; Plakophilin4.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=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:	132kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Plakophilin 4:1101-1192/1192
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% 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 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Armadillo-like proteins are characterized by a series of armadillo repeats, first defined in the Drosophila 'armadillo' gene product, that are typically 42 to 45 amino acids in length. These proteins can be divided into subfamilies based on their number of repeats, their overall sequence similarity, and the dispersion of the repeats throughout their sequences. Members of the p120(ctn)/plakophilin subfamily of Armadillo-like proteins, including CTNND1, CTNND2, PKP1, PKP2, PKP4, and ARVCF. PKP4 may be a

component of desmosomal plaque and other adhesion plaques and is thought to be involved in regulating junctional plaque organization and cadherin function. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2015]

Function:

May play a role in junctional plaques.

Subcellular Location:

Cell junction > desmosome. Colocalized with desmoplakin at desmosomal junctional plaques in cultured epithelial cells.

Post-translational modifications:

Phosphorylated upon DNA damage, probably by ATM or ATR.

Similarity:

Belongs to the beta-catenin family.
Contains 9 ARM repeats.

SWISS:

Q99569

Gene ID:

8502

Database links:

[Entrez Gene: 281406](#) Cow

[Entrez Gene: 8502](#) Human

[Entrez Gene: 227937](#) Mouse

[Entrez Gene: 295625](#) Rat

[Omim: 604276](#) Human

[SwissProt: Q99569](#) Human

[SwissProt: Q68FH0](#) Mouse

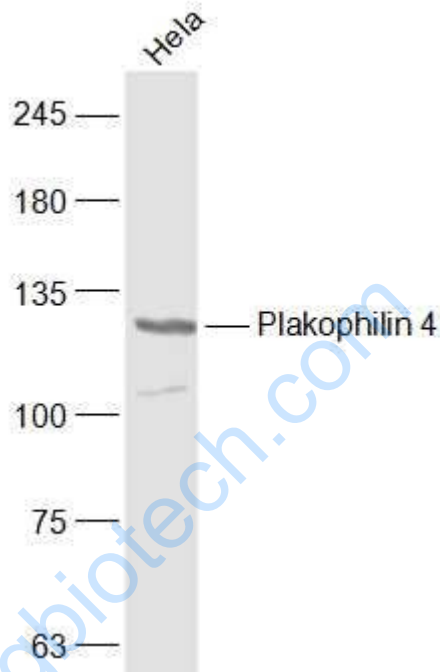
[Unigene: 407580](#) Human

[Unigene: 260938](#) Mouse

Important Note:

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

Picture:



Sample:

Hela(Human) Cell Lysate at 30 ug

Primary: Anti-Plakophilin 4 (SL12711R) at 1/500 dilution

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

Predicted band size: 132 kD

Observed band size: 132 kD