



Rabbit Anti-Plakophilin 3 antibody

SL12703R

Product Name:	Plakophilin 3
Chinese Name:	桥粒斑菲素蛋白3抗体
Alias:	PKP 3 ; PKP3 ; PKP3 HUMAN ; Plakophilin 3b ; Plakophilin-3 ; Plakophilin3.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Sheep,
Applications:	ELISA=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:	87kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Plakophilin 3:631-730/797
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:	This gene encodes a member of the arm-repeat (armadillo) and plakophilin gene families. Plakophilin proteins contain numerous armadillo repeats, localize to cell desmosomes and nuclei, and participate in linking cadherins to intermediate filaments in the cytoskeleton. This protein may act in cellular desmosome-dependent adhesion and signaling pathways. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2014]

Function:

May play a role in junctional plaques.

Subcellular Location:

Nucleus. Cell junction > desmosome. Nuclear and associated with desmosomes.

Tissue Specificity:

Found in desmosomes of most simple and stratified epithelia. Not found in foreskin fibroblasts and various sarcoma-derived cell lines. Beside dendritic reticular cells of lymphatic follicles not found in non-epithelial desmosome-bearing tissues.

Similarity:

Belongs to the beta-catenin family.
Contains 8 ARM repeats.

SWISS:

Q9Y446

Gene ID:

11187

Database links:

[Entrez Gene: 11187](#) Human

[Entrez Gene: 56460](#) Mouse

[Entrez Gene: 293619](#) Rat

[Omim: 605561](#) Human

[SwissProt: Q9Y446](#) Human

[SwissProt: Q9QY23](#) Mouse

[Unigene: 534395](#) Human

[Unigene: 350037](#) Mouse

[Unigene: 144803](#) Rat

Important Note:

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