



Rabbit Anti-Periplakin antibody

SL0350R

Product Name:	Periplakin
Chinese Name:	周斑蛋白抗体
Alias:	190 kDa paraneoplastic pemphigus antigen; 195 kDa cornified envelope precursor; 195 kDa cornified envelope precursor protein; AW553870; KIAA0568; MGC134872; PEPL_HUMAN; Periplakin; ppl.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Rabbit,
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:	205kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Periplakin:401-500/1756
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:	The protein encoded by this gene is a component of desmosomes and of the epidermal cornified envelope in keratinocytes. The N-terminal domain of this protein interacts with the plasma membrane and its C-terminus interacts with intermediate filaments. Through its rod domain, this protein forms complexes with envoplakin. This protein may serve as a link between the cornified envelope and desmosomes as well as

intermediate filaments. AKT1/PKB, a protein kinase mediating a variety of cell growth and survival signaling processes, is reported to interact with this protein, suggesting a possible role for this protein as a localization signal in AKT1-mediated signaling. [provided by RefSeq, Jul 2008]

Function:

Component of the cornified envelope of keratinocytes. May link the cornified envelope to desmosomes and intermediate filaments. May act as a localization signal in PKB/AKT-mediated signaling.

Subcellular Location:

Cell junction > desmosome. Cytoplasm > cytoskeleton. Cell membrane. Nucleus. Mitochondrion. Associated with desmosomes and intermediate filaments.

Tissue Specificity:

Expressed in stratified squamous epithelia and in some other epithelia.

Similarity:

Belongs to the plakin or cytolinker family.

Contains 2 plectin repeats.

Contains 4 spectrin repeats.

SWISS:

O60437

Gene ID:

602871

Database links:

[Entrez Gene: 5493](#) Human

[Entrez Gene: 19041](#) Mouse

[Entrez Gene: 302934](#) Rat

[Omim: 602871](#) Human

[SwissProt: O60437](#) Human

[SwissProt: Q9R269](#) Mouse

[Unigene: 192233](#) Human

[Unigene: 266875](#) Mouse

[Unigene: 25259](#) Rat

	<p>Important Note:</p>
--	-------------------------------

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

www.sunlongbiotech.com