10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Periplakin Rabbit pAb

Catalog # AP96162

Product Information

Application	WB
Primary Accession	O60437
Other Accession	O60437
Reactivity	Human
Predicted	Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	204747
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Periplakin
Epitope Specificity	1-100/1756
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cell junction > desmosome. Cytoplasm > cytoskeleton. Cell membrane. Nucleus. Mitochondrion. Associated with desmosomes and intermediate filaments.
SIMILARITY	Belongs to the plakin or cytolinker family. Contains 2 plectin repeats. Contains 4 spectrin repeats.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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]

Additional Information

Gene ID	5493
Other Names	PEPL_HUMAN; PPL; 190 kDa paraneoplastic pemphigus antigen; 195 kDa cornified envelope precursor protein; KIAA0568; PEPL_MOUSE; periplakin
Target/Specificity	Expressed in stratified squamous epithelia and in some other epithelia.
Dilution	WB=1:500-2000

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	PPL
Synonyms	KIAA0568
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.
Cellular Location	Cell junction, desmosome. Cytoplasm, cytoskeleton. Cell membrane {ECO:0000250|UniProtKB:Q9R269}. Lateral cell membrane {ECO:0000250|UniProtKB:Q9R269}. Cytoplasm {ECO:0000250|UniProtKB:Q9R269}
Tissue Location	Expressed in stratified squamous epithelia and in some other epithelia.

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