SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-Periplakin antibody

Catalog Number: SL22860R

FOR RESEARCH USE ONLY

[DATASHEET]

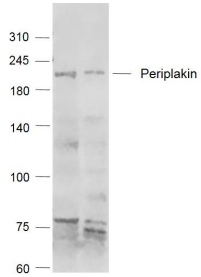
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Periplakin
Immunogen:	KLH conjugated synthetic peptide derived from human Periplakin: 1-100/1756
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human, (predicted: Mouse, Rat)
Predicted MW.:	205kDa
Subcellular Location:	cytoplasmic
Background:	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

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	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. **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

[VALIDATION IMAGES]



Sample:
Lane 1: SiHa (Human) Cell Lysate at 30 ug
Lane 2: MCF-7 (Human) Cell Lysate at 30 ug
Primary: Anti-Periplakin (SL22860R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 205 kD
Observed band size: 205 kD

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