

Anti-Periplakin Picoband Antibody

Catalog # ABO10228

Product Information

Application	WB, IHC-P
Primary Accession	O60437
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Periplakin(PPL) detection. Tested with WB, IHC-P in Human;Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	5493
Other Names	Periplakin, 190 kDa paraneoplastic pemphigus antigen, 195 kDa cornified envelope precursor protein, PPL, KIAA0568
Calculated MW	204747
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Human, Mouse, Rat, By Heat Western blot, 0.1-0.5 μ g/ml, Human, Rat
Subcellular Localization	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. .
Source	Eukaryota
Protein Name	Periplakin
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Periplakin (1664-1701aa DTGRELSPEEAHRAGLIDWNMFVKLRSEQCDWEEISVK), different from the related mouse sequence by one amino acid.
Purification	Immunogen affinity purified.

Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

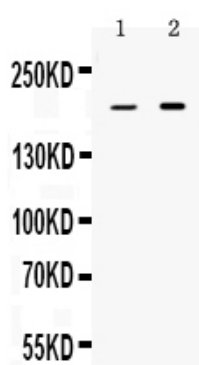
Protein Information

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.

Background

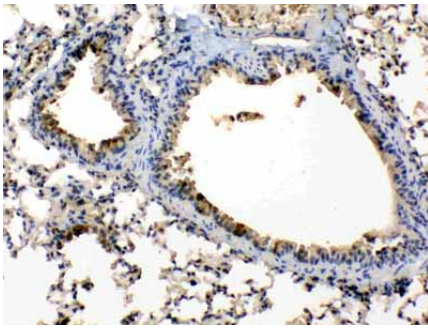
Periplakin is a protein that in humans is encoded by the PPL gene. The protein encoded by this gene is a component of desmosomes and of the epidermal cornified envelope in keratinocytes. The N-terminal domain of this protein interacts with the plasma membrane and its C-terminus interacts with intermediate 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.

Images

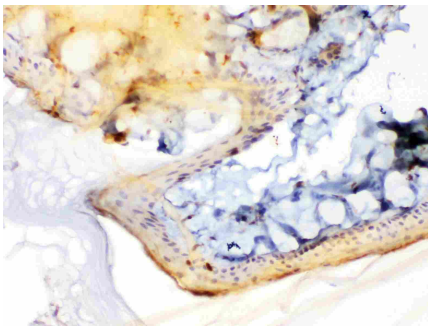


Western blot analysis of Periplakin expression in rat stomach extract (lane 1) and HELA whole cell lysates (lane 2). Periplakin at 202KD was detected using rabbit anti-Periplakin Antigen Affinity purified polyclonal antibody (Catalog #ABO10228) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method.

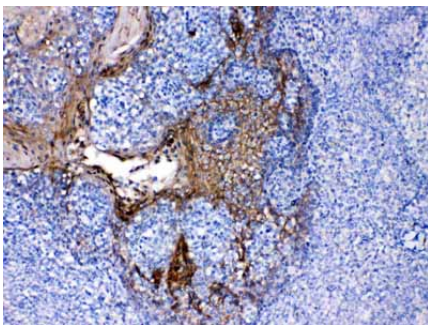
Periplakin was detected in paraffin-embedded sections of mouse lung tissues using rabbit anti-Periplakin Antigen Affinity purified polyclonal antibody (Catalog # ABO10228) at 1 µg/mL. The immunohistochemical section was developed using SABC method.



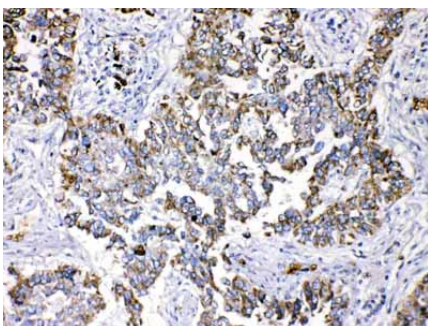
Periplakin was detected in paraffin-embedded sections of rat lung tissues using rabbit anti- Periplakin Antigen Affinity purified polyclonal antibody (Catalog # ABO10228) at 1 μ g/mL. The immunohistochemical section was developed using SABC method .



Periplakin was detected in paraffin-embedded sections of rat skin tissues using rabbit anti- Periplakin Antigen Affinity purified polyclonal antibody (Catalog # ABO10228) at 1 μ g/mL. The immunohistochemical section was developed using SABC method .

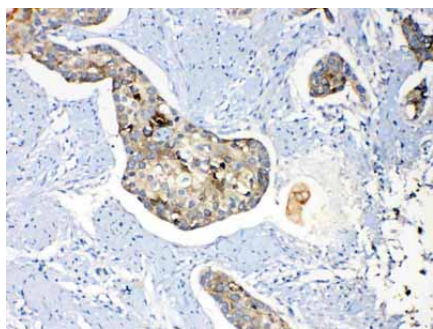


Periplakin was detected in paraffin-embedded sections of human tonsil tissues using rabbit anti- Periplakin Antigen Affinity purified polyclonal antibody (Catalog # ABO10228) at 1 μ g/mL. The immunohistochemical section was developed using SABC method .



Periplakin was detected in paraffin-embedded sections of human lung cancer tissues using rabbit anti- Periplakin Antigen Affinity purified polyclonal antibody (Catalog # ABO10228) at 1 μ g/mL. The immunohistochemical section was developed using SABC method .

Periplakin was detected in paraffin-embedded sections of human oesophagus squama cancer tissues using rabbit anti- Periplakin Antigen Affinity purified polyclonal antibody (Catalog # ABO10228) at 1 μ g/mL. The immunohistochemical section was developed using SABC method .



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