

Anti-Periplakin Picoband Antibody
Catalog # ABO10228**Specification**

Anti-Periplakin Picoband Antibody - Product Information

Application	WB, IHC
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.

Anti-Periplakin Picoband Antibody - Additional Information

Gene ID 5493

Other Names

Periplakin, 190 kDa paraneoplastic pemphigus antigen, 195 kDa cornified envelope precursor protein, PPL, KIAA0568

Calculated MW

204747 MW KDa

Application Details

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Mouse, Rat, By Heat

Western blot, 0.1-0.5 µg/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. .

Protein Name

Periplakin

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg NaN₃.

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.

Anti-Periplakin Picoband Antibody - 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}. Cytoplasm {ECO:0000250|UniProtKB:Q9R269}

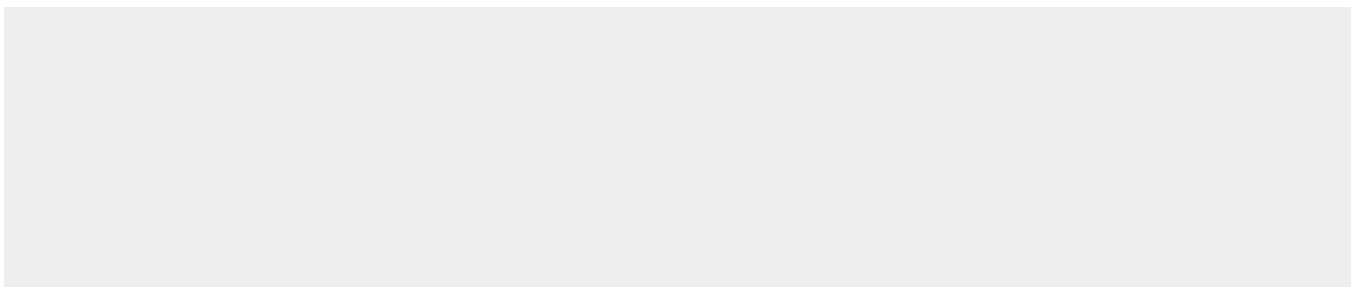
Tissue Location

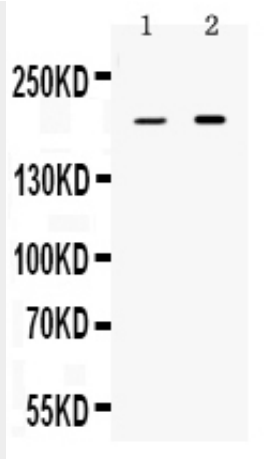
Expressed in stratified squamous epithelia and in some other epithelia.

Anti-Periplakin Picoband Antibody - Protocols

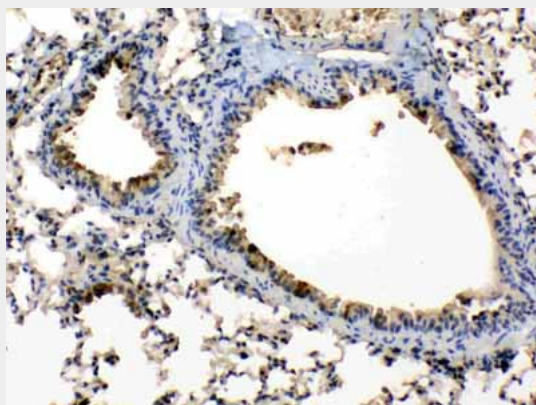
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

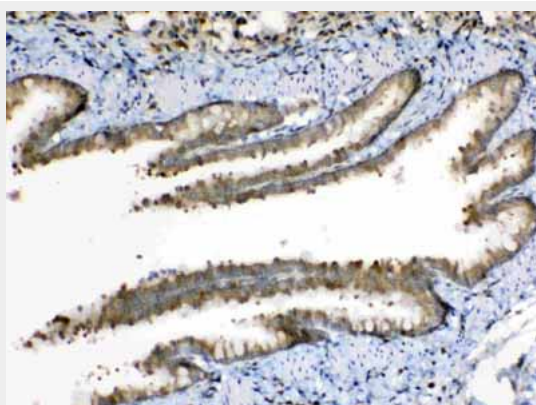
Anti-Periplakin Picoband Antibody - Images



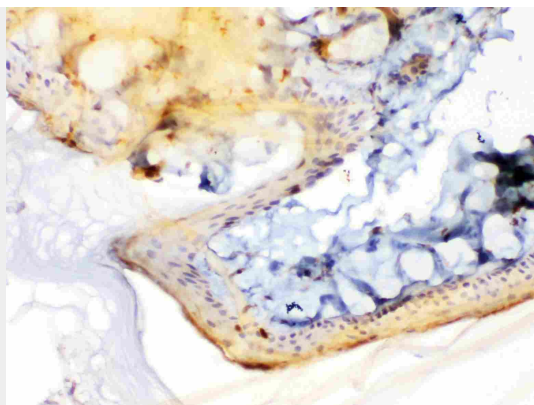
Western blot analysis of Periplakin expression in rat stomach extract (lane 1) and HELA whole cell lysates (lane 2). Periplakin at 202KD was detected using rabbit anti- Periplakin Antigen Affinity purified polyclonal antibody (Catalog #ABO10228) at 0.5 μ g/mL. The blot was developed using chemiluminescence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



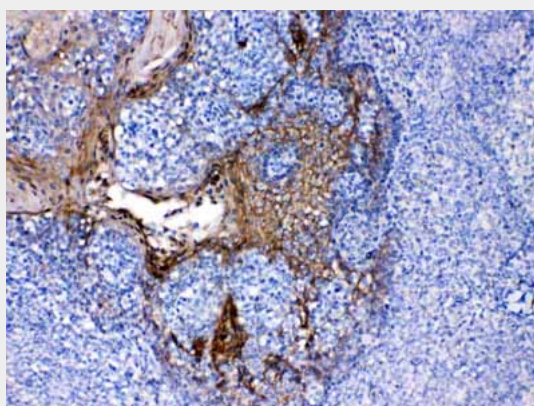
Periplakin was detected in paraffin-embedded sections of mouse lung tissues using rabbit anti- Periplakin Antigen Affinity purified polyclonal antibody (Catalog # ABO10228) at 1 μ g/mL. The immunohistochemical section was developed using SABC method .



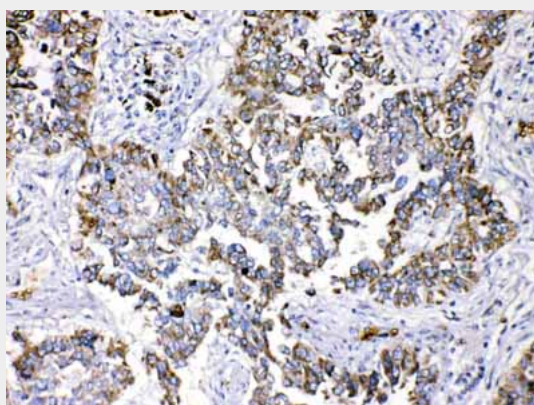
Periplakin was detected in paraffin-embedded sections of rat lung tissues using rabbit anti- Periplakin Antigen Affinity purified polyclonal antibody (Catalog # ABO10228) at 1 μ g/mL. The immunohistochemical section was developed using SABC method .



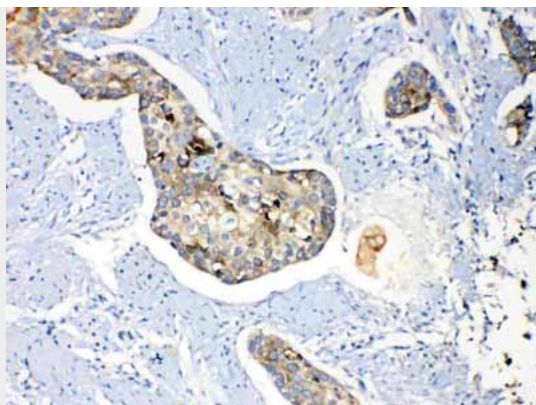
Periplakin was detected in paraffin-embedded sections of rat skin tissues using rabbit anti-Periplakin Antigen Affinity purified polyclonal antibody (Catalog # ABO10228) at 1 μ g/mL. The immunohistochemical section was developed using SABC method .



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 .

Anti-Periplakin Picoband Antibody - 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.