

ARG59019 anti-Periplakin antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Periplakin
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Periplakin
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 1664-1701 of Human Periplakin (DTGRELSPEEAHRAGLIDWNMFVKLRSEQCDWEEISVK).
Conjugation	Un-conjugated
Alternate Names	190 kDa paraneoplastic pemphigus antigen; Periplakin; 195 kDa cornified envelope precursor protein

Application Instructions

Application table	Application	Dilution
	FACS	1:150 - 1:500
	ICC/IF	1:200 - 1:1000
	IHC-P	0.5 - 1 µg/ml
	WB	0.1 - 0.5 µg/ml
Application Note	IHC-P: Antigen Retrieval: By heat mediation. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

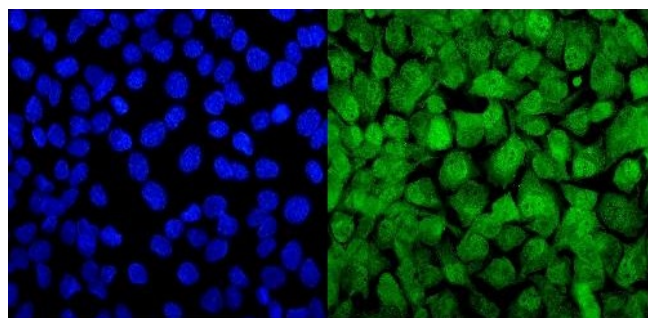
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

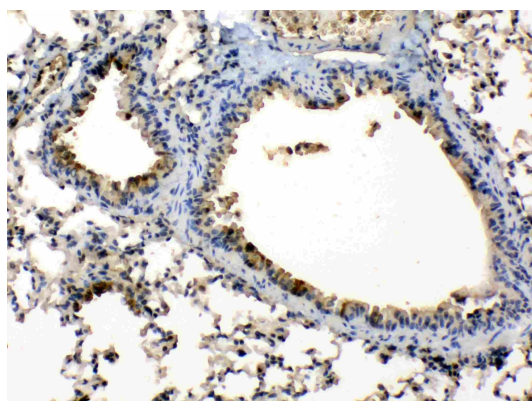
Gene Symbol	PPL
Gene Full Name	periplakin
Background	The protein encoded by this gene is a component of desmosomes and of the epidermal cornified envelope in keratinocytes. The N-terminal domain of this protein interacts with the plasma membrane and its C-terminus interacts with intermediate filaments. 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. [UniProt]
Calculated Mw	205 kDa
Cellular Localization	Cell junction, desmosome. Cytoplasm, cytoskeleton. Cell membrane. Nucleus. Mitochondrion. Associated with desmosomes and intermediate filaments. [UniProt]

Images



ARG59019 anti-Periplakin antibody ICC/IF image

Immunofluorescence: SK-OV-3 cells were blocked with 10% goat serum and then stained with ARG59019 anti-Periplakin antibody (green) at 2 µg/ml dilution, overnight at 4°C. DAPI (blue) for nuclear staining.

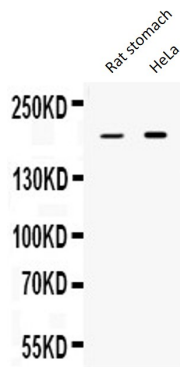


ARG59019 anti-Periplakin antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse lung tissue stained with ARG59019 anti-Periplakin antibody at 1 µg/ml dilution.

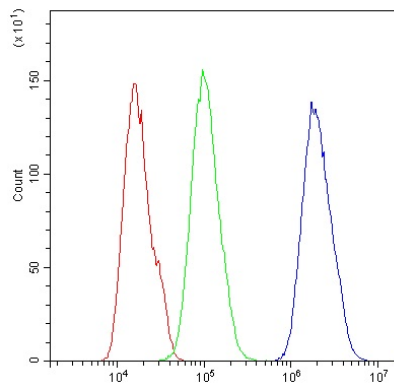
ARG59019 anti-Periplakin antibody WB image

Western blot: Rat stomach and HeLa lysates stained with ARG59019 anti-Periplakin antibody at 0.5 µg/ml dilution.



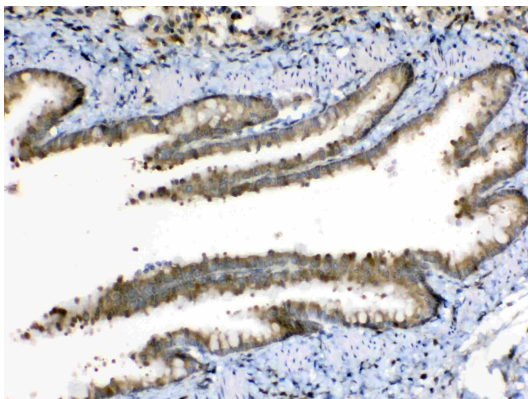
ARG59019 anti-Periplakin antibody FACS image

Flow Cytometry: U2OS cells were blocked with 10% normal goat serum and then stained with ARG59019 anti-Periplakin antibody (blue) at 1 µg/10⁶ cells for 30 min at 20°C, followed by incubation with DyLight®488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG (1 µg/10⁶ cells) used under the same conditions. Unlabelled sample (red) was also used as a control.



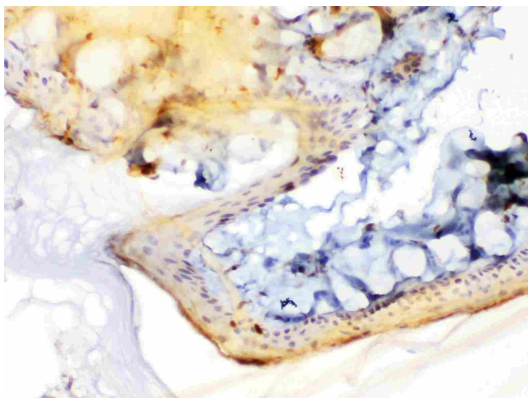
ARG59019 anti-Periplakin antibody IHC-P image

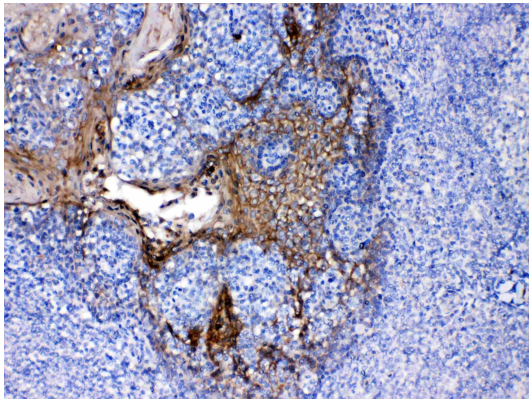
Immunohistochemistry: Paraffin-embedded Rat lung tissue stained with ARG59019 anti-Periplakin antibody at 1 µg/ml dilution.



ARG59019 anti-Periplakin antibody IHC-P image

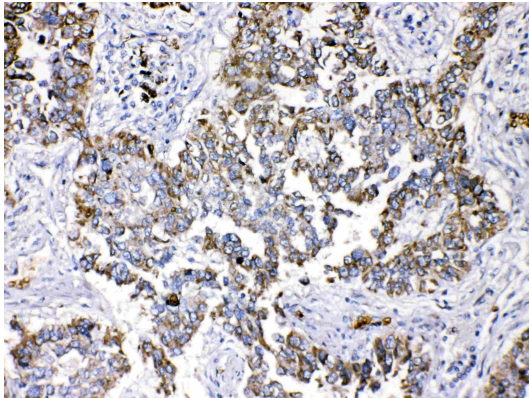
Immunohistochemistry: Paraffin-embedded Rat skin tissue stained with ARG59019 anti-Periplakin antibody at 1 µg/ml dilution.





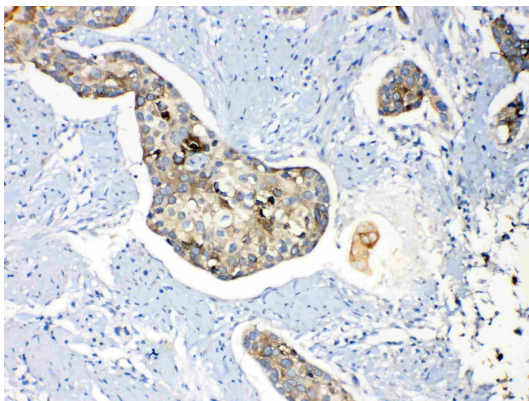
ARG59019 anti-Periplakin antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human tonsil tissue stained with ARG59019 anti-Periplakin antibody at 1 µg/ml dilution.



ARG59019 anti-Periplakin antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung cancer tissue stained with ARG59019 anti-Periplakin antibody at 1 µg/ml dilution.



ARG59019 anti-Periplakin antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human oesophagus squama cancer tissue stained with ARG59019 anti-Periplakin antibody at 1 µg/ml dilution.