

Datasheet for ABIN5518787
anti-PPL antibody (C-Term)[Go to Product page](#)

7 Images

Overview

Quantity:	100 µg
Target:	PPL
Binding Specificity:	AA 1664-1701, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Periplakin(PPL) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human Periplakin (1664-1701aa DTGRELSPEEAHRAGLIDWNMFVKLRSQECDWEEISVK), different from the related mouse sequence by one amino acid.
Sequence:	DTGRELSPEE AHRAGLIDWN MFVKLRSQEC DWEEISVK
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Periplakin(PPL) detection. Tested with WB, IHC-P in Human,Mouse,Rat. Gene Name: periplakin Protein Name: Periplakin

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: PPL

Alternative Name: PPL ([PPL Products](#))

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.

Synonyms: Periplakin | ppl | O60437

Gene ID: 5493

UniProt: [O60437](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.
Notes: Tested Species: Species with positive results. Other applications have not been tested.
Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

Restrictions: For Research Use only

Handling

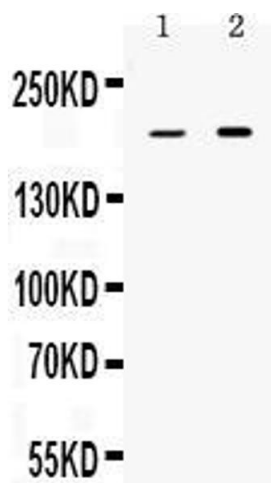
Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Handling

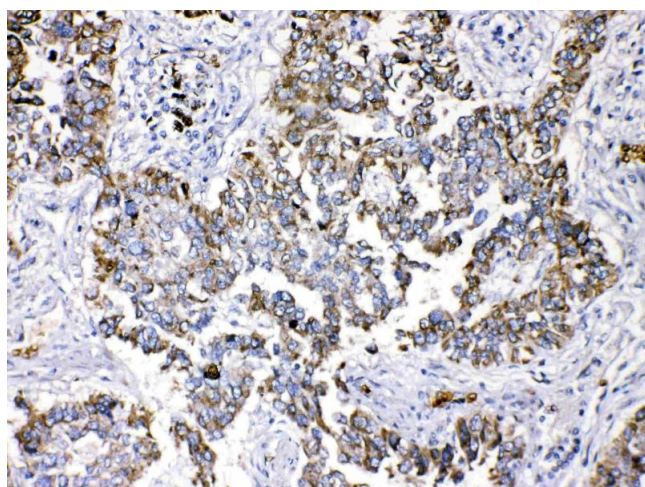
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	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.

Images



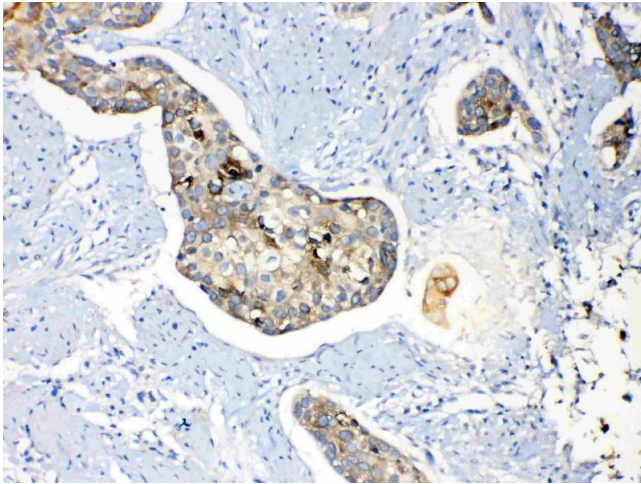
Western Blotting

Image 1. 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 #) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).



Immunohistochemistry

Image 2. Periplakin was detected in paraffin-embedded sections of human lung cancer tissues using rabbit anti-Periplakin Antigen Affinity purified polyclonal antibody (Catalog #) at 1 µg/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).



Immunohistochemistry

Image 3. Periplakin was detected in paraffin-embedded sections of human oesophagus squama cancer tissues using rabbit anti- Periplakin Antigen Affinity purified polyclonal antibody (Catalog #) at 1 µg/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN5518787.