


# Anti-Periplakin antibody ab72422

[2 References](#) [3 Images](#)

## Overview

<b>Product name</b>	Anti-Periplakin antibody
<b>Description</b>	Rabbit polyclonal to Periplakin
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IP
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human <b>Predicted to work with:</b> Guinea pig, Cow, Xenopus laevis, Chimpanzee, Amphibian, Rhesus monkey, Gorilla, Orangutan, Medaka fish 
<b>Immunogen</b>	Synthetic peptide corresponding to Human Periplakin. Database link: <a href="#">O60437</a>
<b>Positive control</b>	WB: HeLa, NIH 3T3, TCMK-1, 4T1, CT26.WT, and C6 cells. IP: HeLa cells.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

## Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	pH: 6.8 Preservative: 0.09% Sodium azide Constituents: 0.1% BSA, Tris buffered saline
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	ab72422 was affinity purified using an epitope specific to Periplakin immobilized on solid support.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab72422 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/2000 - 1/10000. Detects a band of approximately 205 kDa (predicted molecular weight: 205 kDa).
IP		Use at 2-5 µg/mg of lysate.

## Target

### 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.

### Tissue specificity

Expressed in stratified squamous epithelia and in some other epithelia.

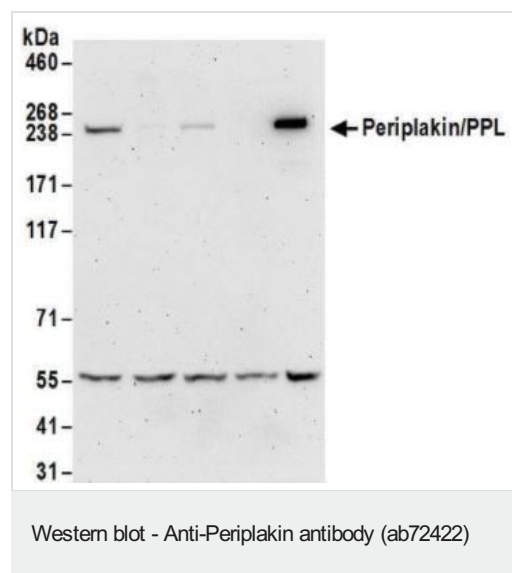
### Sequence similarities

Belongs to the plakin or cytolinker family.  
Contains 2 plectin repeats.  
Contains 4 spectrin repeats.

### Cellular localization

Cell junction > desmosome. Cytoplasm > cytoskeleton. Cell membrane. Nucleus. Mitochondrion. Associated with desmosomes and intermediate filaments.

## Images



**All lanes :** Anti-Periplakin antibody (ab72422) at 1/2000 dilution

**Lane 1 :** NIH 3T3 Whole cell lysate

**Lane 2 :** TCMK-1 Whole cell lysate

**Lane 3 :** 4T1 Whole cell lysate

**Lane 4 :** CT26.WT Whole cell lysate

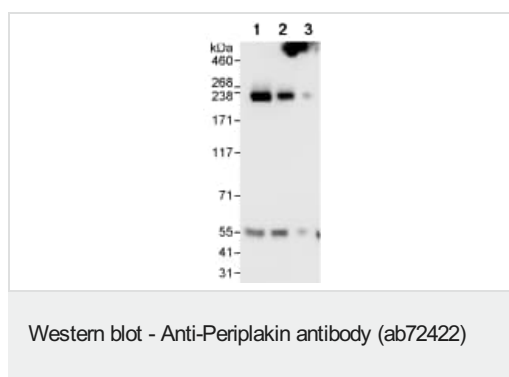
**Lane 5 :** C6 Whole cell lysate

Lysates/proteins at 50 µg per lane.

### Secondary

**All lanes :** Goat anti-Rabbit Light Chain HRP Conjugate

**Predicted band size:** 205 kDa



**All lanes :** Anti-Periplakin antibody (ab72422) at 0.04 µg/ml

**Lane 1 :** HeLa whole cell lysate at 50 µg

**Lane 2 :** HeLa whole cell lysate at 15 µg

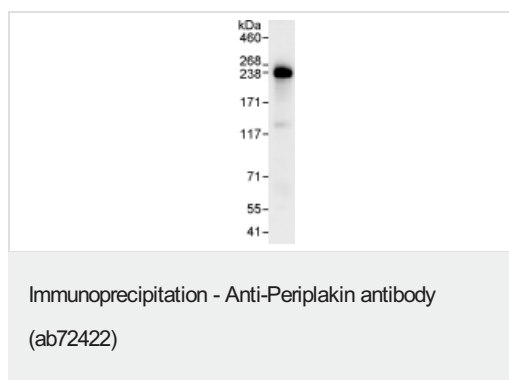
**Lane 3 :** HeLa whole cell lysate at 5 µg

**Predicted band size:** 205 kDa

**Observed band size:** 205 kDa

**Additional bands at:** 55 kDa. We are unsure as to the identity of these extra bands.

**Exposure time:** 10 seconds



Detection of Periplakin by Western Blot of Immunoprecipitate.

ab72422 at 1 µg/ml staining Periplakin in HeLa whole cell lysate

immunoprecipitated using ab72422 at 3 µg/mg lysate (1 mg/IP; 20% of IP loaded/lane).

Detection: Chemiluminescence with exposure time of 10 seconds.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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