

Anti-Plakophilin 1 antibody [EPR14890] - BSA and Azide free ab250665

Recombinant RabMAb

5 Images

Overview

Product name	Anti-Plakophilin 1 antibody [EPR14890] - BSA and Azide free
Description	Rabbit monoclonal [EPR14890] to Plakophilin 1 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt (Intra), WB, ICC/IF
Species reactivity	Reacts with: Mouse, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab250665 is the carrier-free version of ab183512.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR14890
Isotype	IgG

Applications

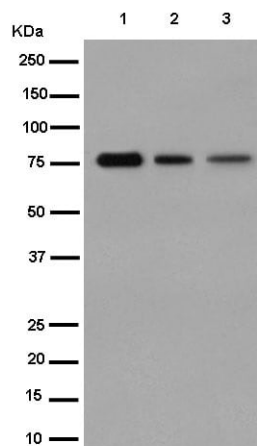
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab250665 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt (Intra)		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Detects a band of approximately 75 kDa (predicted molecular weight: 81 kDa).
ICC/IF		Use at an assay dependent concentration.

Target

Function	Seems to play a role in junctional plaques. Contributes to epidermal morphogenesis.
Tissue specificity	Isoform 2 is widely expressed. Isoform 1 is expressed in stratified squamous, complex, glandular duct and bladder epithelia.
Involvement in disease	Ectodermal dysplasia-skin fragility syndrome
Sequence similarities	Belongs to the beta-catenin family. Contains 9 ARM repeats.
Cellular localization	Nucleus and Nucleus. Cell junction, desmosome.

Images



Western blot - Anti-Plakophilin 1 antibody
[EPR14890] - BSA and Azide free (ab250665)

All lanes : Anti-Plakophilin 1 antibody [EPR14890] ([ab183512](#)) at 1/20000 dilution

Lane 1 : Mouse skin tissue lysate

Lane 2 : A431 cell lysate

Lane 3 : HACAT cell lysate

Lysates/proteins at 10 µg per lane.

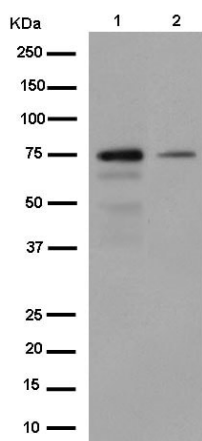
Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 81 kDa

Observed band size: 75 kDa

This data was developed using [ab183512](#), the same antibody clone in a different buffer formulation.



Western blot - Anti-Plakophilin 1 antibody
[EPR14890] - BSA and Azide free (ab250665)

All lanes : Anti-Plakophilin 1 antibody [EPR14890] ([ab183512](#)) at 1/5000 dilution

Lane 1 : Human skin tissue lysate

Lane 2 : Human tonsil tissue lysate

Lysates/proteins at 10 µg per lane.

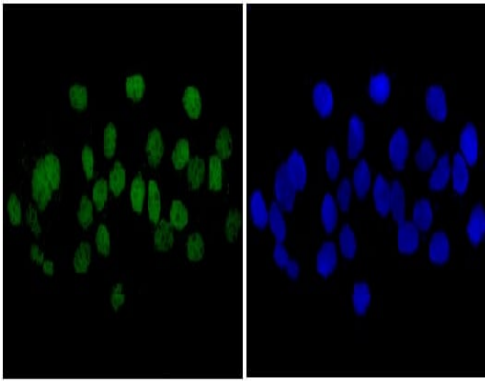
Secondary

All lanes : Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1000 dilution

Predicted band size: 81 kDa

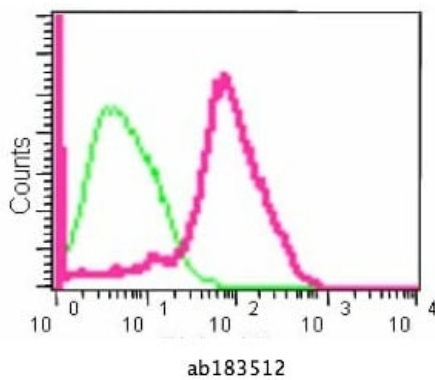
Observed band size: 75 kDa

This data was developed using **ab183512**, the same antibody clone in a different buffer formulation.



Immunocytochemistry/ Immunofluorescence - Anti-Plakophilin 1 antibody [EPR14890] - BSA and Azide free (ab250665)

This data was developed using **ab183512**, the same antibody clone in a different buffer formulation. Immunofluorescent staining of 4% paraformaldehyde fixed HACAT cells labeling Plakophilin 1 using **ab183512** at a 1/100 dilution followed by Goat anti Rabbit IgG (Alexa Fluor®488) secondary at 1/200 dilution. Counterstained with Dapi (blue).



Flow Cytometry (Intracellular) - Anti-Plakophilin 1 antibody [EPR14890] - BSA and Azide free (ab250665)

This data was developed using **ab183512**, the same antibody clone in a different buffer formulation.

Intracellular flow cytometric analysis of HACAT cells (2% paraformaldehyde fixed) labeling Plakophilin 1 with **ab183512** at 1/90 dilution (red) compared to a Rabbit monoclonal isotype control (green).

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

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

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