

Product datasheet

Anti-Desmocollin 1 antibody [EPR8220] ab150382

Recombinant RabMAb

★★★★☆ 1 Abreviews 2 References 3 Images

Overview

Product name	Anti-Desmocollin 1 antibody [EPR8220]
Description	Rabbit monoclonal [EPR8220] to Desmocollin 1
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide within Human Desmocollin 1 aa 850 to the C-terminus (C terminal). The exact sequence is proprietary. Database link: Q08554
Positive control	WB: A375 and A431 whole cell lysates. Human skin tissue lysate. Mouse brain, skin, and kidney tissue lysates. Rat brain and kidney tissue lysates.
General notes	<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> <p>We are constantly working hard to ensure we provide our customers with best in class antibodies. As a result of this work we are pleased to now offer this antibody in purified format. We are in the process of updating our datasheets. The purified format is designated 'PUR' on our product labels. If you have any questions regarding this update, please contact our Scientific Support team.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.01% Sodium azide

Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA

Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR8220
Isotype	IgG

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab150382 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

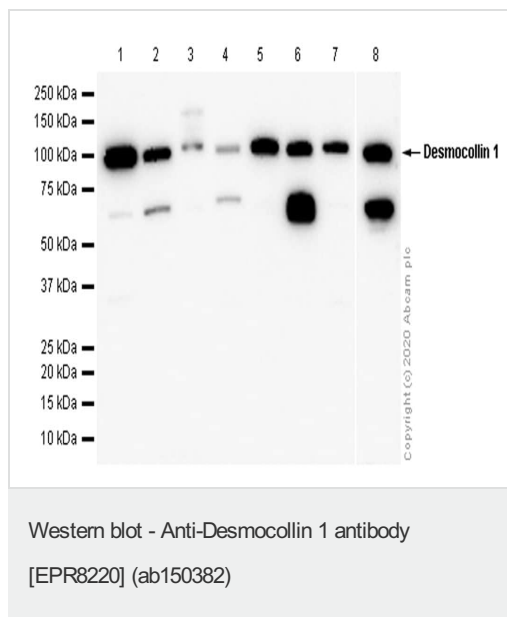
Application	Abreviews	Notes
WB		1/10000. Predicted molecular weight: 100 kDa. For unpurified use at 1/1000 - 1/10000.

Target

Relevance Desmocollin 1 is a component of intercellular desmosome junctions. It is involved in the interaction of plaque proteins and intermediate filaments mediating cell-cell adhesion. It may contribute to epidermal cell positioning (stratification) by mediating differential adhesiveness between cells that express different isoforms. Desmocollin 1 is linked to the keratinization of epithelial tissues.

Cellular localization Cell membrane; Single-pass type I membrane protein. Cell junction; desmosome.

Images



All lanes : Anti-Desmocollin 1 antibody [EPR8220] (ab150382) at 1/10000 dilution (purified)

Lane 1 : A375 (Human malignant melanoma epithelial cell) whole cell lysate

Lane 2 : A431 (Human epidermoid carcinoma epithelial cell) whole cell lysate

Lane 3 : Human skin lysate

Lane 4 : Mouse brain lysate

Lane 5 : Mouse spleen lysate

Lane 6 : Mouse kidney lysate

Lane 7 : Rat brain lysate

Lane 8 : Rat kidney lysate

Lysates/proteins at 20 µg per lane.

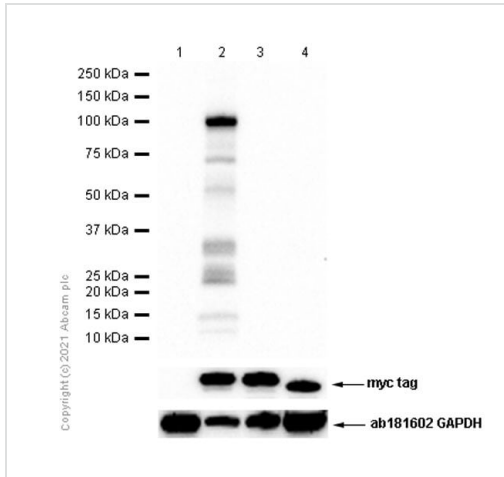
Secondary

All lanes : Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

Predicted band size: 100 kDa

Observed band size: 100 kDa

We are unsure about the extra bands. They might be the deglycosylated forms as described in PMID: 25918164.



Western blot - Anti-Desmocollin 1 antibody [EPR8220] (ab150382)

All lanes : Anti-Desmocollin 1 antibody [EPR8220] (ab150382) at 1/500000 dilution

Lane 1 : Empty vector transfected 293T (Human embryonic kidney epithelial cell) whole cell lysate

Lane 2 : 293T cells transfected with myc-his tagged full length Desmocollin-1 expression vector, whole cell lysate

Lane 3 : 293T cells transfected with myc-his tagged full length Desmocollin-2 expression vector, whole cell lysate

Lane 4 : 293T cells transfected with myc-his tagged full length Desmocollin-3 expression vector, whole cell lysate

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution


Predicted band size: 100 kDa

Observed band size: 100 kDa

Exposure time: 7 seconds

Blocking and diluting buffer and concentration: 5% NFDm/TBST

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

Anti-Desmocollin 1 antibody [EPR8220] (ab150382)

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

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