

Anti-Laminin alpha 5/LAMA5 antibody [EPR18919] - BSA and Azide free ab271947

Recombinant RabMAb

2 Images

Overview

Product name	Anti-Laminin alpha 5/LAMA5 antibody [EPR18919] - BSA and Azide free
Description	Rabbit monoclonal [EPR18919] to Laminin alpha 5/LAMA5 - BSA and Azide free
Host species	Rabbit
Specificity	This antibody reacts weakly with Laminin alpha 3
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse, Rat, Human, Recombinant fragment
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Mouse Laminin alpha 5/LAMA5 and alpha 3 fragment recombinant proteins; Human fetal kidney lysate; A549 whole cell lysate; Mouse P5 fetal kidney and P3 fetal lung lysates; Rat kidney lysate.
General notes	<p>ab271947 is the carrier-free version of ab184330.</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>

Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb[®] patents](#).

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	EPR18919
Isotype	IgG

Applications

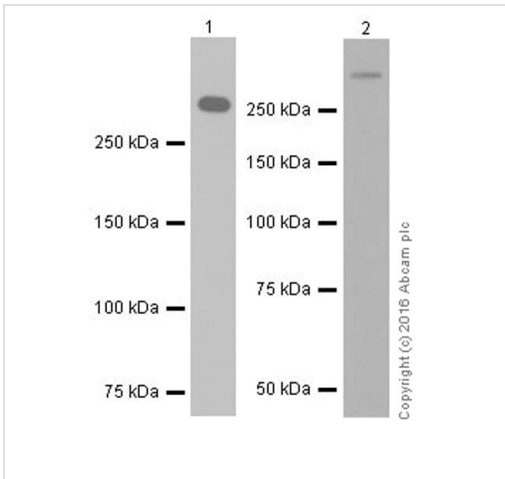
The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab271947 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Detects a band of approximately 404 kDa (predicted molecular weight: 400 kDa).

Target

Function	Binding to cells via a high affinity receptor, laminin is thought to mediate the attachment, migration and organization of cells into tissues during embryonic development by interacting with other extracellular matrix components.
Tissue specificity	Expressed in heart, lung, kidney, skeletal muscle, pancreas, retina and placenta. Little or no expression in brain and liver.
Sequence similarities	Contains 22 laminin EGF-like domains. Contains 5 laminin G-like domains. Contains 1 laminin IV type A domain. Contains 1 laminin N-terminal domain.
Domain	Domain G is globular and is part of the major cell-binding site located in the long arm of the laminin heterotrimer.
Cellular localization	Secreted, extracellular space, extracellular matrix, basement membrane. Major component.

Images



Western blot - Anti-Laminin alpha 5/LAMA5 antibody [EPR18919] - BSA and Azide free (ab271947)

All lanes : Anti-Laminin alpha 5/LAMA5 antibody [EPR18919] (**ab184330**) at 1/1000 dilution

Lane 1 : Human fetal kidney lysate

Lane 2 : A549 (Human lung carcinoma cell line) whole cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

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

Predicted band size: 400 kDa

Observed band size: 404 kDa





Exposure time: 3 minutes

Blocking/Dilution buffer: 5% NFD/MTBST.

The expression profile observed is consistent with what has been described in the literature (PMID:12559092; PMID:9624186).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, glycerol, sodium azide and BSA (**ab184330**).

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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