Product datasheet

Anti-Laminin 1+2 antibody ab7463

Overview

Product name Anti-Laminin 1+2 antibody
Description Rabbit polyclonal to Laminin 1+2
Host species Rabbit
Specificity This antibody is pan-specific and reacts well with all laminin isoforms tested: laminin-1 (alpha-1, beta-1, and gamma-1) and laminin-2 (alpha-2, beta-1, and gamma-1).

Tested applications Suitable for: IHC-Fr, IHC-P, WB, ICC/IF, IHC-FrFl
Species reactivity Reacts with: Mouse, Rat, Sheep, Rabbit, Human
Immunogen Full length native protein (purified) (Mouse EHS tumour).
Positive control Basement membranes (blood vessels of any tissue, tumors and nerve).
General notes Laminin antibodies are widely used to label blood vessels and basement membranes.

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 or -80°C. Avoid freeze / thaw cycle.
Storage buffer Preservative: 0.05% Sodium azide
Purity Immunogen affinity purified
Primary antibody notes Laminin antibodies are widely used to label blood vessels and basement membranes.
Clonality Polyclonal
Isotype IgG

Applications

Our Abpromise guarantee covers the use of ab7463 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
Laminin is a complex glycoprotein, consisting of three different polypeptide chains (alpha, beta, gamma), which are bound to each other by disulfide bonds into a cross-shaped molecule comprising one long and three short arms with globules at each end. 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.

### Cellular localization
Secreted, Basement membrane, Extracellular matrix

### Images

Ab7463 staining Laminin 1+2 in HeLa cells by ICC/IF (Immunocytochemistry/Immunofluorescence). Samples were incubated with primary antibody at 1:50 dilution. Hoechst 33258 (blue) was used as a nuclear counterstain.

Immunocytochemistry/Immunofluorescence - Anti-Laminin 1+2 antibody (ab7463)
Ab7463 staining Lamin 1+2 in HeLa cells by ICC/IF (Immunocytochemistry/Immunofluorescence). Samples were incubated with primary antibody at 1:5 dilution. An Alexa Fluor® 488-conjugated Goat to rabbit IgG was used as a secondary antibody. DAPI was used as a nuclear stain and an Alexa Fluor® 568 phalloidin (red) was used to stain actin filaments.

All lanes: Anti-Laminin 1+2 antibody (ab7463) at 1 µg/ml

Lane 1: EHS
Lane 2: Heart

Observed band size: 200,400 kDa

why is the actual band size different from the predicted?
Ab7463 staining Laminin in rat spinal cord and dorsal root by immunohistochemistry using paraformaldehyde/paraffin embedded tissue. Pepsin antigen retrieval was performed on this tissue sample.

ab7463 staining Laminin 1+2 in human MDA-MB-231 by ICC/IF (Immunocytochemistry/Immunofluorescence). The cells were paraformaldehyde fixed, permeabilized in 0.1% Triton X-100 buffer and blocked in 5% serum for 30 minutes at 25°C. The primary antibody was diluted 1/250 and incubated with sample for 1 hour at 37°C. A Alexa Fluor® 488 conjugated goat polyclonal to rabbit IgG was used undiluted, as secondary.

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