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Datasheet for ABIN6939955

anti-Laminin gamma 1 antibody

1 Image

Overview

Quantity:	100 µg
Target:	Laminin gamma 1 (LAMC1)
Reactivity:	Human, Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This Laminin gamma 1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS), Immunostaining (Ist), Staining Methods (StM)

Product Details

Immunogen:	Murine EHS laminin preparation
Clone:	A5
Isotype:	IgG2a kappa
Specificity:	Laminins are large hetero-trimeric, non-collagenous glycoproteins composed of alpha, beta, and gamma chains. This MAb reacts with laminin B2/1 chain of ~210 kDa and does not cross-react with other basement membrane components or fibronectin. Its specificity was established by immunoprecipitation and immunofluorescence of human skeletal muscle and kidney with laminin chain-specific MAbs. Epithelial sheets in vivo are separated from the mesenchymal elements of the stroma by a thin layer of a specialized type of extracellular matrix termed the basement membrane (BM). This structure consists of individual components, some of which are ubiquitous in BMs and some are not. The ubiquitous ones comprise laminin (LN), entactin/nidogen (EN), collagen type IV (CIV), and large heparan sulfate

Product Details

proteoglycan (HSPG), which interact specifically with each other to form a continuous and regular BM. Alterations of BM integrity, from local discontinuities up to complete loss, are described in many types of human and animal epithelial neoplasms. This MAb stains uniformly all human and murine basement membranes.

Purification: Purified by Protein A/G

Target Details

Target: Laminin gamma 1 (LAMC1)

Alternative Name: LAMC1 ([LAMC1 Products](#))

Molecular Weight: 210kDa

Gene ID: 3915

UniProt: [P11047](#), [Q5VYE7](#), [Q6NVY8](#)

Application Details

Application Notes: Positive Control: Normal colon or carcinomas.
Known Application: Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (0.5-1.0 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

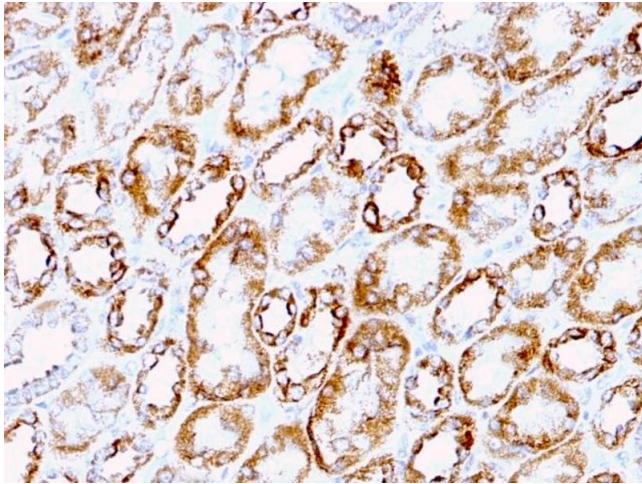
Storage: 4 °C,-80 °C

Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Handling

Expiry Date: 24 months

Images



Immunohistochemistry

Image 1. Formalin-fixed, paraffin-embedded human Renal Cell Carcinoma stained with Laminin Rat Monoclonal Antibody (A5).