

Product Datasheet

Laminin gamma 1 Antibody (A5) - IHC-Prediluted NBP2-48357

Unit Size: 7 ml

Store at 4C.

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Updated 6/14/2023 v.20.1

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NBP2-48357**Laminin gamma 1 Antibody (A5) - IHC-Prediluted**

Product Information	
Unit Size	7 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C.
Clonality	Monoclonal
Clone	A5
Preservative	0.05% Sodium Azide
Isotype	IgG2a Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Target Molecular Weight	210 kDa
Product Description	
Description	The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining.
Host	Rat
Gene ID	3915
Gene Symbol	LAMC1
Species	Human, Mouse, Bovine
Reactivity Notes	Bovine reported by a verified customer review.
Specificity/Sensitivity	Laminins are large hetero-trimeric, non-collagenous glycoproteins composed of alpha, beta, and gamma chains. This monoclonal antibody reacts with laminin B2/1 chain of ~210kDa 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 monoclonal antibodies. 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 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 monoclonal antibody stains uniformly all human and murine basement membranes.
Immunogen	Murine EHS laminin preparation
Product Application Details	
Applications	Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen

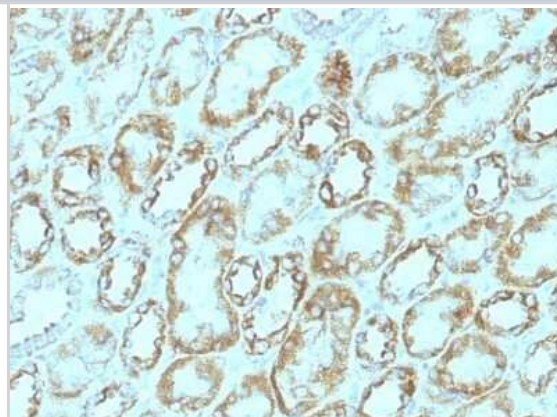


Application Notes

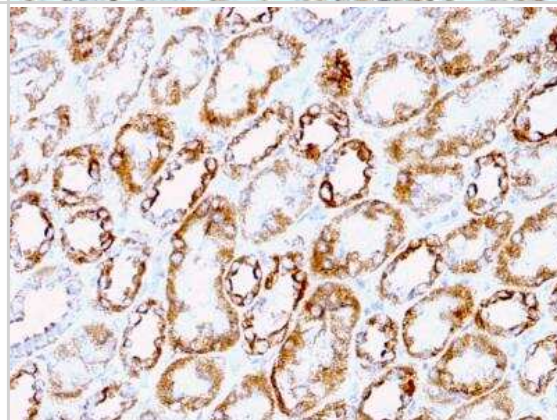
Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

Images

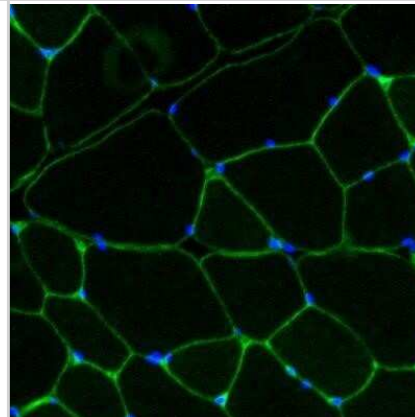
Immunohistochemistry-Paraffin: Laminin gamma 1 Antibody (A5) - IHC-Prediluted [NBP2-48357] - Human Renal Cell Carcinoma stained with Laminin Monoclonal Antibody (A5).



Immunohistochemistry-Paraffin: Laminin gamma 1 Antibody (A5) - IHC-Prediluted [NBP2-48357] - Formalin-fixed, paraffin-embedded human Renal Cell Carcinoma stained with Laminin Rat Monoclonal Antibody (A5).



Immunohistochemistry-Frozen: Laminin gamma 1 Antibody (A5) - IHC-Prediluted [NBP2-48357] - Bovine frozen skeletal muscle section was fixed in 4% PFA for 5 min and stained with anti-laminin antibody (NBP2-44751) overnight at 4 C and then stained with a goat anti-rat-Alexa Fluor 488 secondary antibody (green) for 1 hour at room temperature. Section was then mounted in a mounting medium containing Dapi (blue). Image from verified customer review.





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Products Related to NBP2-48357

HAF005	Goat anti-Rat IgG Secondary Antibody [HRP]
NBP1-75398	Goat anti-Rat IgG (H+L) Secondary Antibody (Pre-adsorbed)
NBP1-43321-0.5mg	Rat IgG2a Kappa Light Chain Isotype Control (R2a)
H00003915-P01-10ug	Recombinant Human Laminin gamma 1 GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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