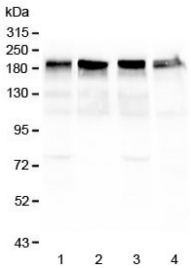
Laminin gamma Antibody (G1-3) (R32946)

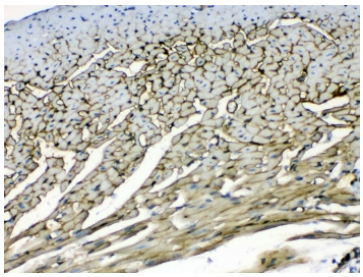
Catalog No.	Formulation	Size
R32946	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

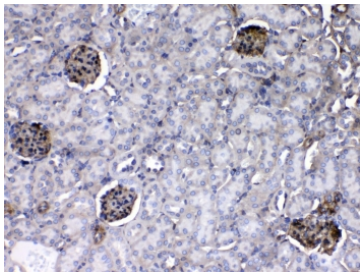
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	P02468, Q61092, Q9R0B6
Localization	Membrane, secreted (cytoplasmic in some tissue)
Applications	Western Blot : 0.5-1ug/ml IHC (FFPE) : 1-2ug/ml
Limitations	This Laminin gamma antibody is available for research use only.



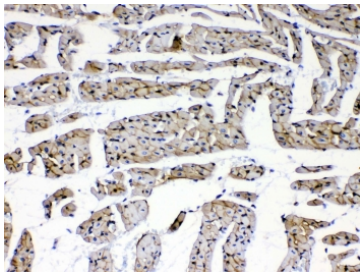
Western blot testing of 1) mouse lung, 2) rat heart, 3) rat lung and 4) human HeLa lysate with Laminin gamma antibody at 0.5ug/ml. Expected molecular weight: 172-200 kDa (G1 & G3), 130-140 kDa (G2).



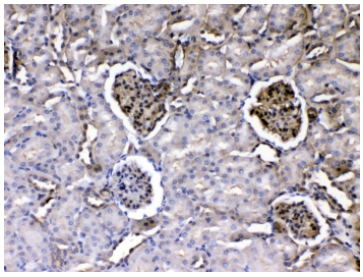
IHC testing of FFPE mouse heart tissue with Laminin gamma antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE mouse kidney tissue with Laminin gamma antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE rat heart tissue with Laminin gamma antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE rat kidney tissue with Laminin gamma antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.

Description

Laminins are major proteins in the basal lamina (one of the layers of the basement membrane), a protein network foundation for most cells and organs. Laminins form independent networks and are associated with type IV collagen networks via entactin, fibronectin, and perlecan. They are important and biologically active parts of the basal lamina, influencing cell differentiation, migration, and adhesion, as well as phenotype and survival. Laminins are trimeric proteins that contain an ?-chain, a ?-chain, and a ?-chain, found in five, four, and three genetic variants, respectively. Laminins critically contribute to cell attachment and differentiation, cell shape and movement, maintenance of tissue phenotype, and promotion of tissue survival.

Application Notes

Optimal dilution of the Laminin gamma antibody should be determined by the researcher.

Immunogen

Amino acid sequences from Laminin gamma 1-3 (NKLNEIEGSLNKAKDEMKAS + DLEERVRRQRNHLHLLETSI + LQLDSHGALHHKLRQLEEES) were used as the immunogen for the Laminin gamma antibody.

Storage

After reconstitution, the Laminin gamma antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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