

For Research Use Only

LAMB2 Polyclonal antibody

Catalog Number:30943-1-AP



Basic Information

Catalog Number: 30943-1-AP	GenBank Accession Number: NM_002292.3	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 350 ug/ml by Nanodrop;	GeneID (NCBI): 3913	Recommended Dilutions: WB 1:2000-1:12000 IHC 1:750-1:3000
Source: Rabbit	UNIPROT ID: P55268	
Isotype: IgG	Full Name: laminin, beta 2 (laminin 5)	
Immunogen Catalog Number: AG33468	Calculated MW: 196 kDa	
	Observed MW: 195-200 kDa	

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HEK-293 cells, mouse heart tissue, mouse kidney tissue

IHC : human stomach cancer tissue,

Background Information

LAMB2 (laminin subunit beta 2), also known as LAMS. Laminins, a family of extracellular matrix glycoproteins, are the major noncollagenous constituent of basement membranes. They have been implicated in a wide variety of biological processes including cell adhesion, differentiation, migration, signaling, neurite outgrowth and metastasis. Laminins, composed of 3 non identical chains: laminin alpha, beta and gamma (formerly A, B1, and B2, respectively), form a cruciform structure consisting of 3 short arms, each formed by a different chain, and a long arm composed of all 3 chains. This gene encodes the beta chain isoform laminin, beta 2. It is enriched in the basement membrane of muscles at the neuromuscular junctions, kidney glomerulus and vascular smooth muscle. Transgenic mice in which the beta 2 chain gene was inactivated by homologous recombination, showed defects in the maturation of neuromuscular junctions and impairment of glomerular filtration. The calculated molecular weight of LAMB2 is 200 kDa.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

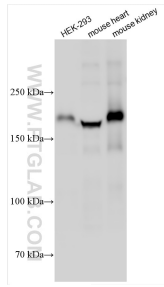
For technical support and original validation data for this product please contact:

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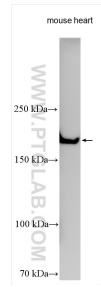
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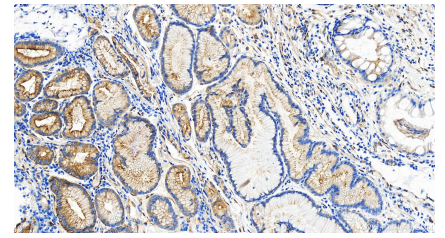
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30943-1-AP (LAMB2 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 30943-1-AP (LAMB2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 30943-1-AP (LAMB2 antibody) at dilution of 1:1500 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).