

For Research Use Only

CoraLite® Plus 750-conjugated LAMB2 Recombinant antibody

Catalog Number:CL750-82946



Basic Information

Catalog Number: CL750-82946	GenBank Accession Number: NM_002292.3	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 3913	CloneNo.: 230143E4
Source: Rabbit	UNIPROT ID: P55268	Recommended Dilutions: WB 1:1000-1:8000
Isotype: IgG	Full Name: laminin, beta 2 (laminin 5)	Excitation/Emission maxima wavelengths: 755 nm / 780 nm
Immunogen Catalog Number: AG33468	Calculated MW: 196 kDa	
	Observed MW: 195-200 kDa	

Applications

Tested Applications: WB, FC (Intra)	Positive Controls: WB : HeLa cells,
Species Specificity: human	

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. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

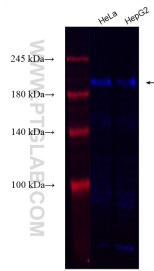
T: 4006900926

E: Proteintech-CN@ptglab.com

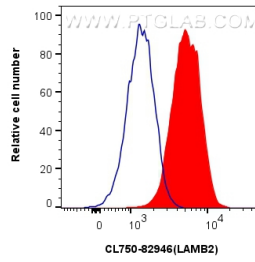
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with CL750-82946 (LAMB2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



1×10^6 HepG2 cells were intracellularly stained with 0.25 μ g Coralite® Plus 750 Lamb2 Recombinant Antibody (CL750-82946, Clone:230143E4)(red), or 0.25 μ g Coralite® Plus 750 Rabbit IgG Isotype Control Recombinant Antibody (CL750-98136, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).