

For Research Use Only

# CoraLite® Plus 750-conjugated LAMB2 Recombinant antibody

Catalog Number: CL750-82946



## Basic Information

<b>Catalog Number:</b> CL750-82946	<b>GenBank Accession Number:</b> NM_002292.3	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3913	<b>CloneNo.:</b> 230143E4
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P55268	<b>Recommended Dilutions:</b> WB 1:1000-1:8000
<b>Isotype:</b> IgG	<b>Full Name:</b> laminin, beta 2 (laminin 5)	<b>Excitation/Emission maxima wavelengths:</b> 755 nm / 780 nm
<b>Immunogen Catalog Number:</b> AG33468	<b>Calculated MW:</b> 196 kDa	
	<b>Observed MW:</b> 195-200 kDa	

## Applications

<b>Tested Applications:</b> WB, FC (Intra)	<b>Positive Controls:</b> WB : HeLa cells,
<b>Species Specificity:</b> 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.

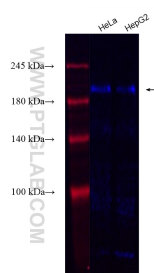
## Storage

**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**

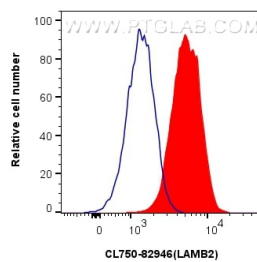
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## 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.



$1 \times 10^6$  HepG2 cells were intracellularly stained with 0.25  $\mu$ g Coralite® Plus 750 Lamb2 Recombinant Antibody (CL750-82946, Clone:230143E4)(red), or 0.25  $\mu$ 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).