Datasheet for ABIN6143070

anti-LAMB2 antibody (AA 1579-1798)

1 Image

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Overview

Quantity:	100 µL
Target:	LAMB2
Binding Specificity:	AA 1579-1798
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LAMB2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1579-1798 of human LAMB2 (NP_002283.3).
Sequence:	DVRRAEQLLQ DARRARSWAE DEKQKAETVQ AALEEAQRAQ GIAQGAIRGA VADTRDTEQT LYQVQERMAG AERALSSAGE RARQLDALLE ALKLKRAGNS LAASTAEETA GSAQGRAQEA EQLLRGPLGD QYQTVKALAE RKAQGVLAAQ ARAEQLRDEA RDLLQAAQDK LQRLQELEGT YEENERALES KAAQLDGLEA RMRSVLQAIN LQVQIYNTCQ
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies

Target Details

Target:	LAMB2
Alternative Name:	LAMB2 (LAMB2 Products)
Background:	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 . Some of the chains have been shown to differ with respect to their tissue distribution, presumably reflecting diverse functions in vivo. This gene encodes the beta chain isoform laminin, beta 2. The beta 2 chain contains the 7 structural domains typical of beta chains of laminin, including the short alpha region. However, unlike beta 1 chain, beta 2 has a more restricted tissue distribution. 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. Alternative splicing involving a non consensus 5' splice site (gc) in the 5' UTR of this gene has been reported. It was suggested that inefficient splicing of this first intron, which does not change the protein sequence, results in a greater abundance of the unspliced form of the transcript than the spliced form.,LAMB2,LAMS,NPHS5,Signal Transduction,Cell Biology & Developmental Biology,Cell Adhesion,Cytoskeleton,Intermediate Filaments,Extracellular Matrix,Neuroscience,Cardiovascular,Angiogenesis,LAMB2
Molecular Weight:	195 kDa
Gene ID:	3913
UniProt:	P55268
Pathways:	Skeletal Muscle Fiber Development

Application Details

Application Notes:	WB,1:1000 - 1:2000,IF,1:50 - 1:200
Restrictions:	For Research Use only

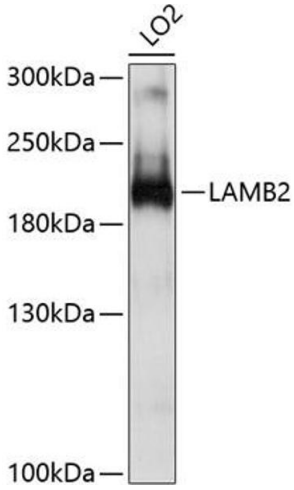
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of LO2 cells, using L antibody (ABIN6132095, ABIN6143070, ABIN6143071 and ABIN6214860) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 5s.