Datasheet for ABIN6143076

anti-LAMC2 antibody (AA 862-1111)

4 Images

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Overview

Quantity:	100 µL
Target:	LAMC2
Binding Specificity:	AA 862-1111
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LAMC2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 862-1111 of human LAMC2 (NP_061486.2).
Sequence:	SDQSFQVEEA KRIKQKADSL SSLVTRHMDE FKRTQKNLGN WKEEAQQLLQ NGKSGREKSD QLLSRANLAK SRAQEALSMG NATFYEVESI LKNLREFDLQ VDNRKAEAEE AMKRLSYISQ KVSDASDKTQ QAERALGSAA ADAQRAKNGA GEALEISSEI EQEIGSLNLE ANVTADGALA MEKGLASLKS EMREVEGELE RKELEFDTNM DAVQMVITEA QKVDTRAKNA GVTIQDTLNT LDGLLHLMGM
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	LAMC2
Alternative Name:	LAMC2 (LAMC2 Products)
Background:	This gene encodes the gamma chain isoform laminin, gamma 2. The gamma 2 chain, formerly thought to be a truncated version of beta chain (B2t), is highly homologous to the gamma 1 chain, however, it lacks domain VI, and domains V, IV and III are shorter. It is expressed in several fetal tissues but differently from gamma 1, and is specifically localized to epithelial cells in skin, lung and kidney. The gamma 2 chain together with alpha 3 and beta 3 chains constitute laminin 5 (earlier known as kalinin), which is an integral part of the anchoring filaments that connect epithelial cells to the underlying basement membrane. The epithelium-specific expression of the gamma 2 chain implied its role as an epithelium attachment molecule, and mutations in this gene have been associated with junctional epidermolysis bullosa, a skin disease characterized by blisters due to disruption of the epidermal-dermal junction. Two transcript variants resulting from alternative splicing of the 3' terminal exon, and encoding different isoforms of gamma 2 chain, have been described. The two variants are differentially expressed in embryonic tissues, however, the biological significance of the two forms is not known. Transcript variants utilizing alternative polyA_signal have also been noted in literature.,LAMC2,B2T,BM600,CSF,EBR2,EBR2A,LAMB2T,LAMNB2,Signal Transduction,Cell Biology & Developmental Biology,Cell Adhesion,Cytoskeleton,Neuroscience,LAMC2
Molecular Weight:	121 kDa/130 kDa
Gene ID:	3918
UniProt:	Q13753

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:100
Restrictions:	For Research Use only

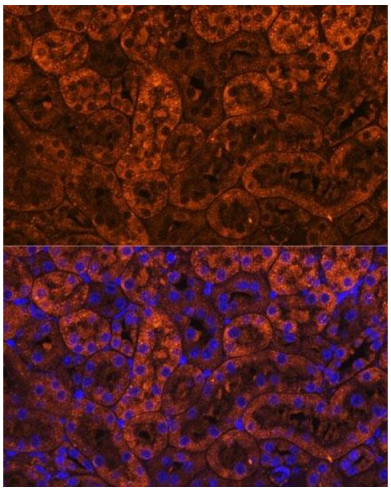
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

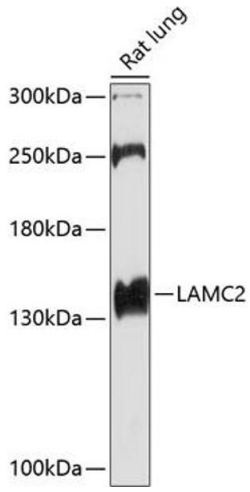
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



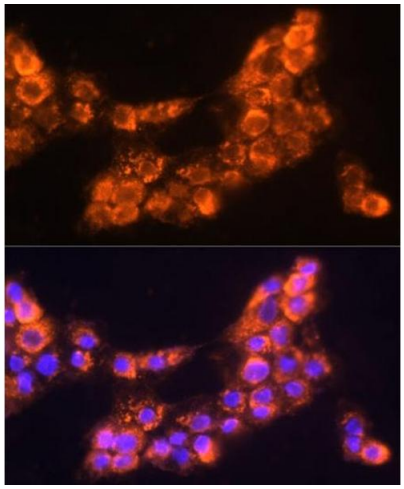
Immunofluorescence

Image 1. Immunofluorescence analysis of mouse kidney using L Polyclonal Antibody (ABIN6128174, ABIN6143076, ABIN6143077 and ABIN6219002) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of rat lung, using L antibody (ABIN6128174, ABIN6143076, ABIN6143077 and ABIN6219002) 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: 60s.



Immunofluorescence

Image 3. Immunofluorescence analysis of cells using L Polyclonal Antibody (ABIN6128174, ABIN6143076, ABIN6143077 and ABIN6219002) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

Please check the product details page for more images. Overall 4 images are available for ABIN6143076.