

LAMA5 monoclonal antibody, clone CL3118

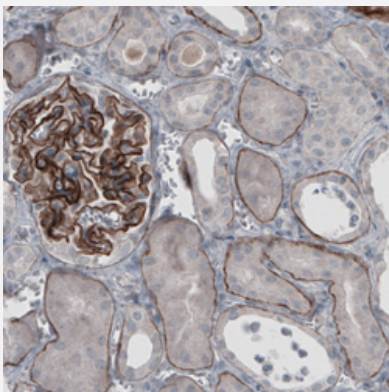
Catalog # MAB15790 Size 100 uL

Applications



Western Blot (Tissue lysate)

Western Blot analysis of human placenta tissue lysate with LAMA5 monoclonal antibody, clone CL3118 (Cat # MAB15790).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human kidney with LAMA5 monoclonal antibody, clone CL3118 (Cat # MAB15790) shows strong immunoreactivity in basement membrane of renal tubules and membranous positivity in glomeruli.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human LAMA5.
Immunogen	Recombinant protein corresponding to human LAMA5.
Epitope	This antibody binds to an epitope located within the peptide sequence RQGLVDRAQQ as determined by overlapping synthetic peptides.
Sequence	LNLSSILDVNQDRLTQRAIEASNAYSRLQAVQAAEDAAGQALQQADHTWATVVRQGLVDRAQQ LANSTALEEAMLQEQQLGLVWAAL
Host	Mouse

Reactivity	Human
Form	Liquid
Purification	Protein A purification
Isotype	IgG1
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200-1:500) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western Blot analysis of human placenta tissue lysate with LAMA5 monoclonal antibody, clone CL3118 (Cat # MAB15790).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human kidney with LAMA5 monoclonal antibody, clone CL3118 (Cat # MAB15790) shows strong immunoreactivity in basement membrane of renal tubules and membranous positivity in glomeruli.

Gene Info — LAMA5

Entrez GeneID	3911
Protein Accession#	O15230
Gene Name	LAMA5
Gene Alias	KIAA1907
Gene Description	laminin, alpha 5
Omim ID	601033
Gene Ontology	Hyperlink

Gene Summary

Components of the extracellular matrix exert myriad effects on tissues throughout the body. In particular, the laminins, a family of heterotrimeric extracellular glycoproteins, affect tissue development and integrity in such diverse organs as the kidney, lung, skin, and nervous system. It is thought that laminins mediate the attachment, migration, and organization of cells into tissues during embryonic development by interacting with other extracellular matrix components. Laminins function as heterotrimeric complexes of alpha, beta, and gamma chains, with each chain type representing a different subfamily of proteins. The protein encoded by this gene belongs to the alpha subfamily of laminin chains and is a major component of basement membranes. Two transcript variants encoding different isoforms have been found for this gene, but the full-length nature of one of them has not been determined. [provided by RefSeq]

Other Designations

laminin alpha 5|laminin alpha-5 chain

Pathway

- [ECM-receptor interaction](#)
- [Focal adhesion](#)
- [Pathways in cancer](#)
- [Small cell lung cancer](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)