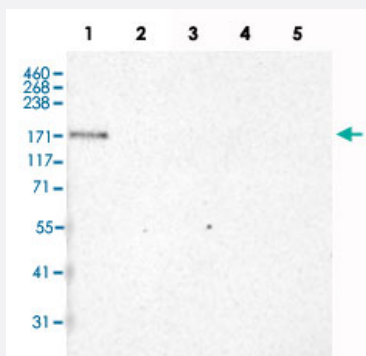


LAMA3 monoclonal antibody, clone CL3112

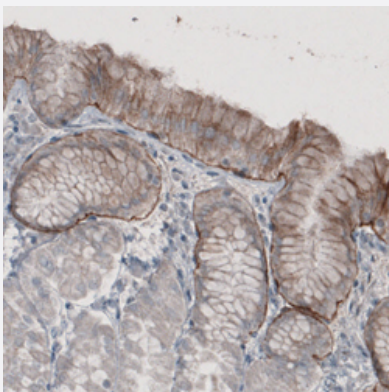
Catalog # MAB15789 Size 100 uL

Applications



Western Blot (Recombinant protein)

Western Blot analysis of recombinant protein Lane 1: Laminin-332, Lane 2: Laminin-421, Lane 3: Laminin-511, Lane 4: Laminin-121 and Lane 5: Laminin-221 with LAMA3 monoclonal antibody, clone CL3112 (Cat # MAB15789).



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human stomach with LAMA3 monoclonal antibody, clone CL3112 (Cat # MAB15789) shows moderate immunoreactivity in basement membrane of glandular epithelium.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human LAMA3.
Immunogen	Recombinant protein corresponding to human LAMA3.
Epitope	This antibody binds to an epitope located within the peptide sequence EINSLSQSDFT as determined by overlapping synthetic peptides.
Sequence	LLNRIRTWQKTHQGENNGLANSIRDLSNEYEAKLSDLRARLQEAQAQKQANGLNQENERALGAI QRQVKEINSLSQSDFTKYLTTADSSLLQTNIALQLMEKSQKEYE
Host	Mouse

Reactivity	Human
Form	Liquid
Purification	Protein A purification
Isotype	IgG1
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:200) 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

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Gene Info — LAMA3

Entrez GeneID	3909
Protein Accession#	Q16787
Gene Name	LAMA3
Gene Alias	BM600, E170, LAMNA, LOCS, lama3a
Gene Description	laminin, alpha 3
Omim ID	226650 226700 245660 600805
Gene Ontology	Hyperlink

Gene Summary

Laminins are basement membrane components thought to mediate the attachment, migration and organization of cells into tissues during embryonic development by interacting with other extracellular matrix components. The protein encoded by this gene is the alpha-3 subunit of laminin 5, which is a complex glycoprotein composed of three subunits (alpha, beta, and gamma). Laminin 5 is thought to be involved in cell adhesion, signal transduction and differentiation of keratinocytes. Mutations in this gene have been identified as the cause of Herlitz type junctional epidermolysis bullosa. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq]

Other Designations

BM600 150kD subunit|epiligrin 170 kda subunit|epiligrin alpha 3 subunit|kalinin 165kD subunit|laminin alpha 3 subunit|laminin, alpha 3 (nicein (150kD), kalinin (165kD), BM600 (150kD), epiligrin)|laminin-5 alpha 3 chain|nicein 150kD subunit

Pathway

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

Disease

- [Cerebral Hemorrhage](#)
- [Chronic Disease](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Intracranial Hemorrhages](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Myocardial Infarction](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)