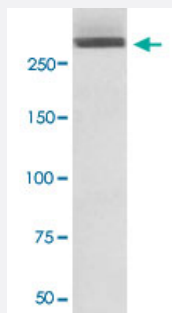


LAMA3/LAMA5 monoclonal antibody, clone AOAB-12

Catalog # MAB20435 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of HeLa cell lysate with LAMA3/LAMA5 monoclonal antibody, clone AOAB-12 (Cat # MAB20435).

Specification

Product Description Rabbit monoclonal antibody raised against synthetic peptide of human LAMA3/LAMA5.

Immunogen A synthetic peptide corresponding to human LAMA3/LAMA5.

Host Rabbit

Theoretical MW (kDa) 366.649

Reactivity Human

Form Liquid

Purification Affinity purification

Isotype IgG

Recommend Usage
Immunocytochemistry (1:50-1:200)
Immunofluorescence (1:50-1:200)
Western Blot (1:500-1:2000)
The optimal working dilution should be determined by the end user.

Storage Buffer In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).

Storage Instruction

Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. 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 (Cell lysate)

Western Blot analysis of HeLa cell lysate with LAMA3/LAMA5 monoclonal antibody, clone AOAB-12 (Cat # MAB20435).

- Immunocytochemistry

- Immunofluorescence

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

Gene Info — LAMA5

Entrez GeneID [3911](#)

Protein Accession# [Q16787](#)

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

Disease

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