

LAMA3 polyclonal antibody

Catalog # PAB6938

Size 100 ug

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of LAMA3.
Immunogen	A synthetic peptide corresponding to human LAMA3.
Sequence	NNQCHSSHKRRTK
Host	Goat
Theoretical MW (kDa)	367
Specificity	This antibody is expected to recognize isoform 1 (NP_937762.1) only.
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	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

- Enzyme-linked Immunoabsorbent Assay

Gene Info — LAMA3

Entrez GeneID [3909](#)

Protein Accession# [NP_937762.1](#)

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

Publication Reference

- [CREB-binding protein regulates apoptosis and growth of HMECs grown in reconstituted ECM via laminin-5.](#)

Dietze EC, Bowie ML, Mrozek K, Caldwell LE, Neal C, Marjoram RJ, Troch MM, Bean GR, Yokoyama KK, Ibarra CA, Seewaldt VL.

Journal of Cell Science 2005 Nov; 118(Pt 21):5005.

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](#)