



Anti-LAMA3 polyclonal antibody (DPAB-DC1819)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Specificity	This antibody is expected to recognize isoform 1 (NP_937762.1) only.
Immunogen	A synthetic peptide corresponding to human LAMA3. The sequence is NNQCHSSHKRRTK
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	ELISA,
Format	Liquid
Concentration	0.5 mg/mL
Size	100 µg
Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)

Preservative	0.02% Sodium Azide
Storage	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	LAMA3 laminin, alpha 3 [Homo sapiens (human)]
Official Symbol	LAMA3
Synonyms	LAMA3; laminin, alpha 3; E170; LOCS; BM600; LAMNA; lama3a; laminin subunit alpha-3; BM600 150kD subunit; nicein 150kD subunit; nicein subunit alpha; kalinin 165kD subunit; kalinin subunit alpha; epiligrin subunit alpha; laminin-5 alpha 3 chain; laminin-5 subunit alpha; laminin-6 subunit alpha; laminin-7 subunit alpha; epiligrin 170 kda subunit; epiligrin alpha 3 subunit; laminin, alpha 3 (nicein (150kD), kalinin (165kD), BM600 (150kD), epilegrin);
Entrez Gene ID	3909
Protein Refseq	NP_000218
Chromosome Location	18q11.2
Pathway	Alpha6-Beta4 Integrin Signaling Pathway; Anchoring fibril formation; Cell junction organization; Collagen formation
Function	receptor binding; structural molecule activity;
