Laminin Beta 3 (LAMb3) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Laminin Beta 3 (LAMb3), Polyclonal Antibody
Full Product Name	APC/CY7-Linked Polyclonal Antibody to Laminin Beta 3 (LAMb3)
Product Gene Name	anti-LAMb3 antibody
Product Synonym Names	LAM-B3; LAMNB1; Nicein subunit beta; Kalinin subunit beta; Epiligrin subunit bata; Laminin B1k chain; Laminin-5 subunit beta
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Mouse
Concentration	>=100ug/ml (lot specific)
Matching Pairs	Unconjugated Antibody: LAMb3 (MBS2032816) APC-CY7 Conjugated Antibody: LAMb3 (MBS2062868)
Matching Pairs	APC-CY7 Conjugated Antibody: LAMb3 (MBS2062868) Immunogen: LAMb3 (MBS2030770)
Molecular Weight	129,572 Da
OMIM	L25541 mRNA
3D Structure	ModBase 3D Structure for Q13751
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Immunogen	LAMb3 (Ala367~His568)
Conjugation	APC-Cy7
Cross Reactivity	Mouse
Unconjugated Antibody	The unconjugated antibody version of this item is also available as catalog #MBS2032816
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-LAMb3 antibody	Western Blot (WB), Immunocytochemistry (ICC), Immunohistochemistry (IHC) Formalin/Paraffin, ELISA (ELISA)
Related Product Information for anti-LAMb3 antibody	MBS2062868 is an antibody targeting LAMb3. Also known as APC/CY7-Linked Polyclonal Antibody to Laminin Beta 3 (LAMb3). Reactive in Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-LAMb3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for LAMb3. It may not necessarily be applicable to this product.

NCBI GI #	189083719
NCBI GeneID	3914

NCBI Accession #	NP_001121113.1
UniProt Primary Accession #	Q13751
UniProt Secondary Accession #	O14947; Q14733; Q9UJK4; Q9UJL1; D3DT88
UniProt Related Accession #	Q13751
GenBank Nucleotide #	NM_001127641.1
NCBI Official Full Name	laminin subunit beta-3
NCBI Official Synonym Full Names	laminin subunit beta 3
NCBI Official Symbol	LAMB3
NCBI Official Synonym Symbols	AI1A; LAM5; LAMNB1; BM600-125KDA
UniProt Protein Name	Laminin subunit beta-3
UniProt Synonym Protein Names	Epiligrin subunit bata; Kalinin B1 chain; Kalinin subunit beta; Laminin B1k chain; Laminin-5 subunit beta; Nicein subunit beta
Protein Family	Laminin
UniProt Gene Name	LAMB3
UniProt Synonym Gene Names	LAMNB1
NCBI Protein Information	laminin subunit beta-3
NCBI Summary for LAMb3	The product encoded by this gene is a laminin that belongs to a family of basement membrane proteins. This protein is a beta subunit laminin, which together with an alpha and a gamma subunit, forms laminin-5. Mutations in this gene cause epidermolysis bullosa junctional Herlitz type, and generalized atrophic benign epidermolysis bullosa, diseases that are characterized by blistering of the skin. Multiple alternatively spliced transcript variants that encode the same protein have been found for this gene. [provided by RefSeq, Jul 2008]
UniProt Comments for LAMb3	LAMB3: Binding to cells via a high affinity receptor, laminin is thought to mediate the attachment, migration and organization of cells into tissues during embryonic development by interacting with other extracellular matrix components. Defects in LAMB3 are a cause of epidermolysis bullosa junctional Herlitz type (H-JEB); also known as junctional epidermolysis bullosa Herlitz-Pearson type. JEB defines a group of blistering skin diseases characterized by tissue separation which occurs within the dermo-epidermal basement membrane. H-JEB is a severe, infantile and lethal form. Death occurs usually within the first six months of life. Occasionally, children survive to teens. H-JEB is marked by bullous lesions at birth and extensive denudation of skin and mucous membranes that may be hemorrhagic. Defects in LAMB3 are a cause of generalized atrophic benign epidermolysis bullosa (GABEB). GABEB is a non- lethal, adult form of junctional epidermolysis bullosa characterized by life-long blistering of the skin, associated with hair and tooth abnormalities. Protein type: Motility/polarity/chemotaxis; Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 1q32.2 Cellular Component: extracellular region Molecular Function: protein binding Biological Process: epidermis development; extracellular matrix disassembly; extracellular matrix organization and biogenesis; hemidesmosome assembly Disease: Amelogenesis Imperfecta, Type Ia; Epidermolysis Bullosa, Junctional, Herlitz Type; Epidermolysis Bullosa, Junctional, Non-herlitz Type
Research Articles on LAMb3	**1.** Case Reports: Junctional epidermolysis bullosa with LAMB3 splice-site mutations.

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