

Rabbit anti-Mouse LAMB1 Polyclonal Antibody | anti-LAMB1 antibody

LAMB1 Antibody (C-term)

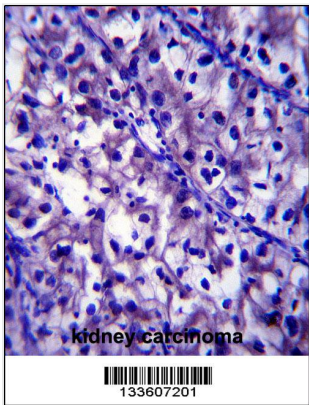
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289599	Rabbit	Mouse	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

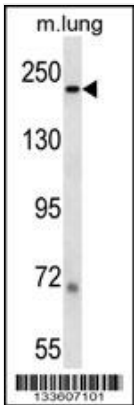
LAMB1; Polyclonal Antibody; LAMB1 Antibody (C-term); Laminin subunit beta-1; Laminin B1 chain; Laminin-1 subunit beta; Laminin-10 subunit beta; Laminin-12 subunit beta; Laminin-2 subunit beta; Laminin-6 subunit beta; Laminin-8 subunit beta; anti-LAMB1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This LAMB1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1691-1720 amino acids from the C-terminal region of human LAMB1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	1691-1720
Sequence Length	1,786
Applicable Applications for anti-LAMB1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IHC (Immunohistochemistry)
LAMB1 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of LAMB1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
LAMB1 Antibody (C-term) western blot analysis in mouse lung tissue lysates (35ug/lane). This demonstrates the LAMB1 antibody detected the LAMB1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-LAMB1 antibody	Laminins, a family of extracellular matrix glycoproteins, are the major noncollagenous constituent of basement membranes. They have been implicated in a wide variety of biological processes including cell adhesion, differentiation, migration, signaling, neurite outgrowth and metastasis. Laminins are composed of 3 non identical chains: laminin alpha, beta and gamma (formerly A, B1, and B2, respectively) and they form a cruciform structure consisting of 3 short arms, each formed by a different chain, and a long arm composed of all 3 chains. Each laminin chain is a multidomain protein encoded by a distinct gene. Several isoforms of each chain have been described. Different alpha, beta and gamma chain isomers combine to give rise to different heterotrimeric laminin isoforms which are designated by Arabic numerals in the order of their discovery, i.e. alpha1beta1gamma1 heterotrimer is laminin 1. The biological functions of the different chains and trimer molecules are largely unknown, but some of the chains have been shown to differ with respect to their tissue distribution, presumably reflecting diverse functions in vivo. This gene encodes the beta chain isoform laminin, beta 1. The beta 1 chain has 7 structurally distinct domains which it shares with other beta chain isomers. The C-terminal helical region containing domains I and II are separated by domain alpha, domains III and V contain several EGF-like repeats, and domains IV and VI have a globular conformation. Laminin, beta 1 is expressed in most tissues that produce basement membranes, and is one of the 3 chains constituting laminin 1, the first laminin isolated from Engelbreth-Holm-Swarm (EHS) tumor. A sequence in the beta 1 chain that is involved in cell attachment, chemotaxis, and binding to the laminin receptor was identified and shown to have the capacity to inhibit metastasis.
Product Categories/Family for anti-LAMB1 antibody	Cardiovascular; Neuroscience; Signal Transduction
References	Joslyn, G., et al. Alcohol. Clin. Exp. Res. 34(5):800-812(2010) McGovern, D.P., et al. Nat. Genet. 42(4):332-337(2010) Wheeler, H.E., et al. PLoS Genet. 5 (10), E1000685 (2009) : Rooney, J.E., et al. Proc. Natl. Acad. Sci. U.S.A. 106(19):7991-7996(2009) Delektorskaya, V.V., et al. Bull. Exp. Biol. Med. 146(5):616-619(2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	167614504
NCBI GeneID	3912
NCBI Accession #	NP_002282.2
NCBI GenBank Nucleotide #	NM_002291.2
UniProt Accession #	P07942; Q14D91
Molecular Weight	198038
NCBI Official Full Name	laminin subunit beta-1
NCBI Official Synonym Full Names	laminin, beta 1
NCBI Official Symbol	LAMB1
NCBI Official Synonym Symbols	CLM; LIS5
NCBI Protein Information	laminin subunit beta-1
UniProt Protein Name	Laminin subunit beta-1
UniProt Gene Name	LAMB1
UniProt Entry Name	LAMB1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/lamb1-antibody-immunohistochemistry-western-blot-elisa/289599>