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Zuschläge

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Product Number	ARP58234_P050-Biotin
Product Page	www.avivasysbio.com/lamc1-antibody-middle-region-biotin-arp58234-p050-biotin.html
Name	LAMC1 Antibody - middle region : Biotin (ARP58234_P050-Biotin)
Protein Size (# AA)	1609 amino acids
Molecular Weight	177kDa
Subunit	gamma- 1
Conjugation	Biotin
NCBI Gene Id	3915
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Laminin, gamma 1 (formerly LAMB2)
Alias Symbols	LAMB2
Peptide Sequence	Synthetic peptide located within the following region: KTREAQQALGSAADATEAKNKAHEAERIASAVQKNATSTKAEAERTFAE
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Jakobsson,L., (2008) FASEB J. 22 (5), 1530-1539
Description of Target	<p>Laminin is a complex glycoprotein, consisting of three different polypeptide chains (alpha, beta, gamma), which are bound to each other by disulfide bonds into a cross-shaped molecule comprising one long and three short arms with globules at each end. 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. Gamma- 1 is a subunit of laminin-1 (EHS laminin), laminin-2 (merosin), laminin-3 (S-laminin), laminin-4 (S-merosin), laminin-6 (K-laminin) and laminin-7 (KS-laminin). 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 gamma chain isoform laminin, gamma 1. The gamma 1 chain, formerly thought to be a beta chain, contains structural domains similar to beta chains, however, lacks the short alpha region separating domains I and II. The structural organization of this gene also suggested that it had diverged considerably from the beta chain genes. Embryos of transgenic mice in which both alleles of the gamma 1 chain gene were inactivated by homologous recombination, lacked basement membranes, indicating that laminin, gamma 1 chain is necessary for laminin heterotrimer assembly. It has been inferred by analogy with the strikingly similar 3' UTR sequence in mouse laminin gamma 1 cDNA, that multiple polyadenylation sites are utilized in human to generate the 2 different sized mRNAs (5.5 and 7.5 kb) seen on Northern analysis. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.</p>
Protein Interactions	UBC; TUBG1; LGR4; ANTXR2; HECW2; SRPK1; TANK; SNX2; PDIA3; APP; FBXO6; ELAVL1; Lama1; LAMB1; CENPU; EIF3I; CCDC53; ATF7IP; SNAPIN; NID2; LAMA5; NID1;
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.

Datasheets/Manuals	Printable datasheet for anti-LAMC1 (ARP58234_P050-Biotin) antibody
Blocking Peptide	For anti-LAMC1 (ARP58234_P050-Biotin) antibody is Catalog # AAP58234 (Previous Catalog # AAPP32833)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human LAMC1
Uniprot ID	P11047
Protein Name	Laminin subunit gamma-1
Protein Accession #	NP_002284
Purification	Affinity Purified
Nucleotide Accession #	NM_002293
Gene Symbol	LAMC1
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Pig, Zebrafish
Application	WB
Predicted Homology Based on Immunogen Sequence	Cow: 93%; Dog: 100%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 100%; Pig: 100%; Rat: 100%; Zebrafish: 86%
Image 1	

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