

bs-1086R**[Primary Antibody]**

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Laminin alpha 5 Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: ELISA (1:5000-10000)
Clonality: Polyclonal		Reactivity: Rat (predicted: Human, Mouse, Rabbit, Cow, Dog, Horse)
GeneID: 3911	SWISS: O15230	Predicted MW.: 402 kDa
Target: Laminin alpha 5		Subcellular Location: Extracellular matrix
Immunogen: KLH conjugated synthetic peptide derived from human Laminin alpha 5: 301-400/3717.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: This gene encodes one of the vertebrate laminin alpha chains. 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. The protein encoded by this gene is the alpha-5 subunit of of laminin-10 (laminin-511), laminin-11 (laminin-521) and laminin-15 (laminin-523). [provided by RefSeq, Jun 2013].		

— SELECTED CITATIONS —

- **[IF=29.4]** Seema Parte. et al. Cancer-associated Fibroblast Induces Acinar-to-ductal Cell Transdifferentiation and Pancreatic Cancer Initiation via LAMA5/ITGA4 axis. GASTROENTEROLOGY. 2023 Dec;; IF, WB ; Human, Mouse. 38154529
- **[IF=10]** Oanh T.P. Nguyen. et al. A Versatile Intestine-on-Chip System for Deciphering the Immunopathogenesis of Inflammatory Bowel Disease. ADV HEALTHC MATER. 2024 Jan;; 2302454 IF ; Human. 38253407
- **[IF=4.533]** Davin Packer. et al. Micro-laminin gene therapy can function as an inhibitor of muscle disease in the dyW mouse model of MDC1A.. Mol Ther-Meth Clin D. 2021 Feb;; IF, IHC ; Mouse. 33869655