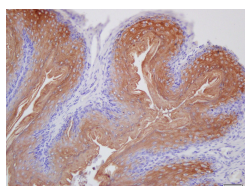


Laminin 5 Rabbit pAb

- Catalog Number: bs-6713R
Target Protein: Laminin 5
Concentration: 1mg/ml
Form: Liquid
Host: Rabbit
Clonality: Polyclonal
Isotype: IgG
Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)
Reactivity: Mouse (predicted:Human, Rat, Rabbit, Pig, Cow, Dog, Horse)
Predicted MW: 367 kDa
Entrez Gene: 3909
Swiss Prot: Q16787
Source: KLH conjugated synthetic peptide derived from human LAMA3: 2701-2900/3333.
Purification: affinity purified by Protein A
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: 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. Laminin 5 is an isoform composed of three distinct subunits, alpha 3, beta 3 and gamma 2, which are bound to each other in a cross-shaped molecule by disulphide bonds. It is a complex glycoprotein thought to be involved in cell adhesion via integrin alpha-3/beta-1 in focal adhesion and integrin alpha-6/beta-4 in hemidesmosomes. It is also involved in signal transduction via tyrosine phosphorylation of pp125-FAK and p80, and differentiation of keratinocytes. The laminin alpha 3 subunit is also thought to be a component of laminin 6 and laminin 7

VALIDATION IMAGES



Tissue/cell: mouse stomach wall; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-Laminin 5 Polyclonal Antibody, Unconjugated(bs-6713R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

PRODUCT SPECIFIC PUBLICATIONS

[IF=12.063] Aiko Inoue. et al. Young bone marrow transplantation prevents aging-related muscle atrophy in a senescence-accelerated mouse prone 10 model. J CACHEXIA SARCOPENI. 2022 Sep;; IF ; MOUSE . 36058630

[IF=10.02] Jiang, Haiying, et al. "Cathepsin K-mediated notch1 activation contributes to neovascularization in response to hypoxia." Nature Communications 5 (2014). WB ; ="Rat" . 24894568

[IF=9.7] Inoue et al. Exercise restores muscle stem cell mobilization, regenerative capacity and muscle metabolic alterations via adiponectin/AdipoR1 activation in SAMP10 mice. (2017) J.Cachexia.Sarcopenia.Muscle. 8:370-385 IF ; MOUSE . 27897419

[IF=8.079] Piao, Limei. et al. Human umbilical cord-derived mesenchymal stromal cells ameliorate aging-associated skeletal muscle atrophy and dysfunction by modulating apoptosis and mitochondrial damage in SAMP10 mice. STEM CELL RES THER. 2022 Dec;13(1):1-17 IF ; Mouse . 35659361