bs-8561R **[Primary Antibody]**

Laminin 2 alpha Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 3908 **SWISS:** P24043

Target: Laminin 2 alpha

Immunogen: KLH conjugated synthetic peptide derived from human Laminin 2 alpha: 2051-2200/3122.

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: Laminin, an extracellular protein, is a major component of the basement membrane. It is thought to mediate the attachment, migration, and organization of cells into tissues during embryonic development by interacting with other extracellular matrix components. It is composed of three subunits, alpha, beta, and gamma, which are bound to each other by disulfide bonds into a cross-shaped molecule. This gene encodes the alpha 2 chain, which constitutes one of the subunits of laminin 2 (merosin) and laminin 4 (s-merosin). Mutations in this gene have been identified as the cause of congenital merosin-deficient muscular dystrophy. Two transcript variants encoding different proteins have been found for this gene. [provided by RefSeq, Jul 2008].

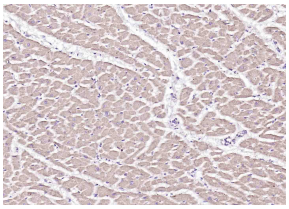
Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Human, Mouse, Rat (predicted: Rabbit, Pig, Cow, Dog, Horse)

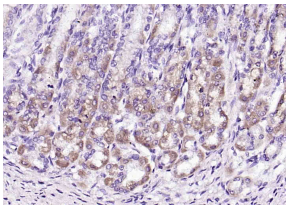
Predicted MW.: 341 kDa

Subcellular Location: Secreted ,Extracellular matrix ,Cell membrane

VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded (human heart); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (Laminin 2 alpha) Polyclonal Antibody, Unconjugated (bs-8561R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat stomach); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (Laminin 2 alpha) Polyclonal Antibody, Unconjugated (bs-8561R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

SELECTED CITATIONS

- **[IF=5.789]** Palma et al. Equine lung decellularization: a potential approach for in vitro modeling the role of the extracellular matrix in asthma. (2018) J.Tissue.Eng. 9:2041731418810164 IHC ;horse. 30450188
- **[IF=4.6]** Nupur Ohri. et al. Gene expression dynamics in fibroblasts during early-stage murine pancreatic carcinogenesis. ISCIENCE. 2025 Jan;28: IHC ;Mouse,Human. 39811640

- **[IF=3.99]** Silva Nunes Barreto, Rodrigo, et al. "Decellularized bovine cotyledons may serve as biological scaffolds with preserved vascular arrangement." Journal of Tissue Engineering and Regenerative Medicine (2017). IHC ;="Bovine". 29164819
- **[IF=4.174]** Zhang, Zhao. et al. Development of a CAFs-related gene signature to predict survival and drug response in bladder cancer. Hum Cell. 2022 Jan;:1-16 IHC ;Human. 35044630
- **[IF=2.586]** R S N Barreto. et al. THE EXTRACELLULAR MATRIX PROTEIN PATTERN IN THE CANINE NEOPLASTIC MAMMARY GLAND. TISSUE CELL. 2023 Feb;:102050 IHC ;Dog. 10.1016/j.tice.2023.102050