Product datasheet

anti-Laminin rabbit polyclonal, serum

Short overview

Cat. No.	10765
Quantity	250 µl

Product description

Host	Rabbit
Antibody Type	Polyclonal
Immunogen	Laminin isolated from Engelbrecht-Holm-Swarm (EHS)-mouse sarcoma
Formulation	Contains 0.09% sodium azide
UniprotID	A0A3Q1LUC5 (Bovine),P25391 (Human),P19137 (Mouse),A0A4X1VLN1 (Pig),H0VND7 (Guinea pig),G1TTH9 (Rabbit),G1TTH9 (Rabbit),D4A409 (Rat)
Synomym	Laminin subunit alpha-1, Laminin A chain, Laminin-1 subunit alpha, Laminin-3 subunit alpha, S-laminin subunit alpha, S-LAM alpha, LAMA1, LAMA
Note	Centrifuge prior to opening
Conjugate	Unconjugated
Purification	Stabilized antiserum
Storage	Short term at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
Intended use	Research use only
Application	IHC, WB
Reactivity	Bovine, Human, Mouse, Pig, Rabbit, Rat

Applications

Immunohistochemistry (IHC) - frozen	1:50-1:100
Immunohistochemistry (IHC) - paraffin	1:50-1:100 (proteolytic treatment required; enzyme: pepsin)
Western Blot (WB)	Assay dependent

Background

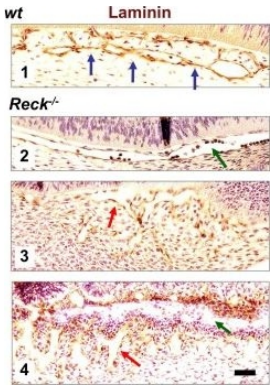
Laminin is a glycoprotein (Mr 850 - 1.000 kD, consisting of 3 glycosylated polypeptide chains with molecular weights of 440 and 225 (2x) kD) produced by various human epithelial and mesenchymal cells, and forms an extracellular matrix of thin filaments. In normal tissues, laminin is invariably present in all basal laminas surrounding muscle, nerve, fat and decidua cells and separates epithelial and endothelial cells from abutting connective tissues. Laminin has also been identified within the cytoplasm of breast epithelia, stromal cells of the endometrium, and within endothelial, bile duct epithelial and mesenchymal cells of the liver. Laminin has been found to be involved in cellular activities such as adhesion, spreading, differentiation, polarization, proliferation, locomotion, tissue invasion and chemotactic responses. No cross reaction was obtained with human type I, III, IV and V collagen in immunoblotting, whereas the antibody reacted with a distinct band of appr. 200-220 kD from a 8M Urea extract from amnion basement membrane.

Positive control: skin, kidney.

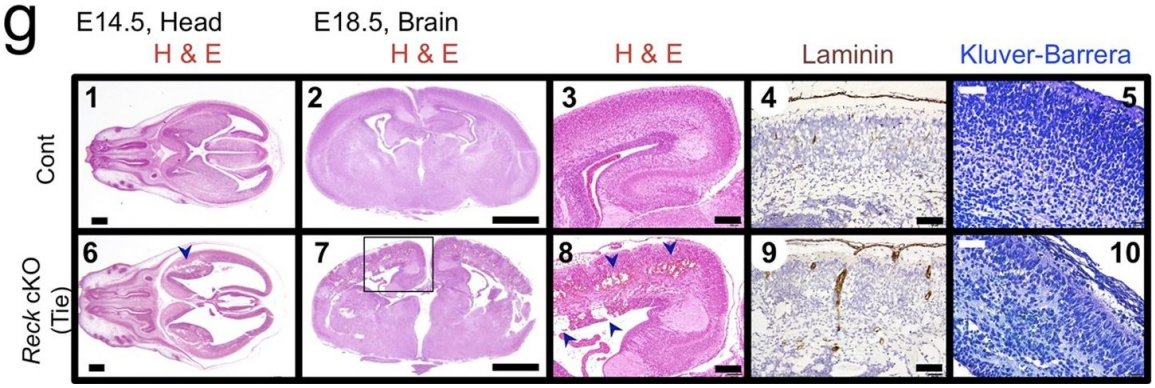
Product images



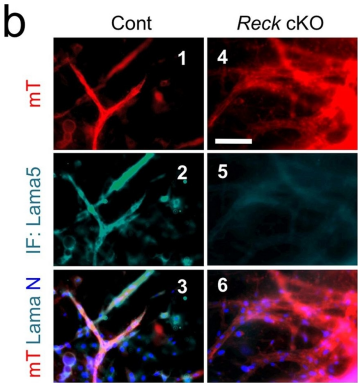
anti-Laminin rabbit polyclonal, serum



Chandana, E. P., Maeda, Y., et al. Involvement of the Reck tumor suppressor protein in maternal and embryonic vascular remodeling in mice. BMC Dev Biol. 2010-08-06. Species/Reactant: Mus musculus (House mouse)Applications: ImmunohistochemistryImage collected and cropped by CiteAb from the following publication, provided under a CC-BY licence.



de Almeida, G. M., Yamamoto, M., et al. Critical roles for murine Reck in the regulation of vascular patterning and stabilization. Sci Rep. 2015-12-11. Species/Reactant: Mus musculus (House mouse)Applications: ImmunohistochemistryImage collected and cropped by CiteAb from the following publication, provided under a CC-BY licence.



de Almeida, G. M., Yamamoto, M., et al. Critical roles for murine Reck in the regulation of vascular patterning and stabilization. Sci Rep. 2015-12-11. Species/Reactant: Mus musculus (House mouse)Applications: Immunohistochemistry-immunofluorescenceImage collected and

cropped by CiteAb from the following publication, provided under a CC-BY licence.

References

Publication	Species	Application
Domke, L and Franke, W. The cell-cell junctions of mammalian testes.., Cell Tissue Res, 375, 451-482, (2019)	bovine	ICC-IF
Costa, B. et al. Intratumoral platelet aggregate formation in a murine preclinical glioma model depends on podoplanin expression on tumor cells. Blood.Adv. 3, 1092-1102 (2019)	rat	IHC (paraffin)
Eisemann, T. et al. Podoplanin expression is a prognostic biomarker but may be dispensable for the malignancy of glioblastoma. Neuro.Oncol. 21, 326-336 (2019)	mouse	IHC (paraffin)
Eisemann, T. et al. An advanced glioma cell invasion assay based on organotypic brain slice cultures. BMC.Cancer. 18, 103 (2018).	mouse	IHC (paraffin)
De Almeida, G. M. et al. Critical roles for murine Reck in the regulation of vascular patterning and stabilization. Sci. Rep. 5, 17860 (2015).	mouse	IHC