

ARG10736 anti-Laminin 111 antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Laminin 111
Tested Reactivity	Ms, Rat
Tested Application	ICC/IF, IHC-Fr, WB
Specificity	ARG10736 Laminin-111 antibody recognizes 3 laminin isotypes: α1 (440kDa), β1 (220kD) and γ1 (220kDa).
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Laminin 111
Antigen Species	Mouse
Immunogen	Laminin isolated from Mouse EHS cells.
Conjugation	Un-conjugated
Alternate Names	LAMA; PTBHS; S-LAM-alpha; Laminin subunit alpha-1; laminin, beta 1; laminin, gamma 1

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:1000 - 1:5000
	IHC-Fr	1:1000 - 1:5000
	WB	1:1000 - 1:5000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

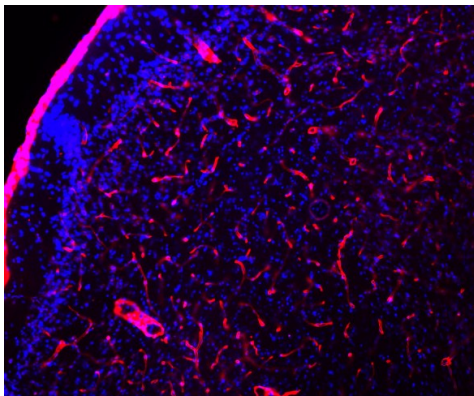
Properties

Form	Liquid
Purification	Affinity purification.
Buffer	PBS and 50% Glycerol.
Stabilizer	50% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

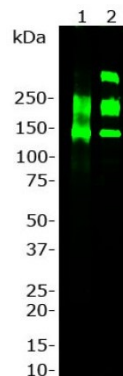
Database links	GeneID: 16772 Mouse Swiss-port # P19137 Mouse
Gene Symbol	Lama1
Gene Full Name	laminin, alpha 1; laminin, beta 1; laminin, gamma 1
Background	This gene encodes one of the alpha 1 subunits of laminin. The laminins are a family of extracellular matrix glycoproteins that have a heterotrimeric structure consisting of an alpha, beta and gamma chain. These proteins make up a major component of the basement membrane and have been implicated in a wide variety of biological processes including cell adhesion, differentiation, migration, signaling, neurite outgrowth and metastasis. Mutations in this gene may be associated with Poretti-Boltshauser syndrome. [provided by RefSeq, Sep 2014]
Function	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. [UniProt]
Cellular Localization	Secreted › extracellular space › extracellular matrix › basement membrane Note: Major component.

Images



ARG10736 anti-Laminin 111 antibody IHC-Fr image

Immunohistochemistry: Frozen sections of Mouse cortex stained with ARG10736 anti-Laminin 111 antibody (red). Blue is DAPI staining of DNA. This antibody reveals strong staining in the basement membranes of blood vessels.



ARG10736 anti-Laminin 111 antibody WB image

Western blot: 1) Rat heart cells lysates, and 2) 0.2 µg of purified laminin-111 protein from Mouse EHS sarcoma was stained with ARG10736 anti-Laminin 111 antibody. This antibody recognizes 3 laminin isotypes: α1 (440 kDa), β1 (220kD) and γ1 (220 kDa). Also recognized a laminin binding protein at 120 kDa in both Rat heart lysates and purified laminin protein. Since this protein always coexpresses with laminin this cross reactivity is irrelevant.