

Anti-Laminin-111 Antibody

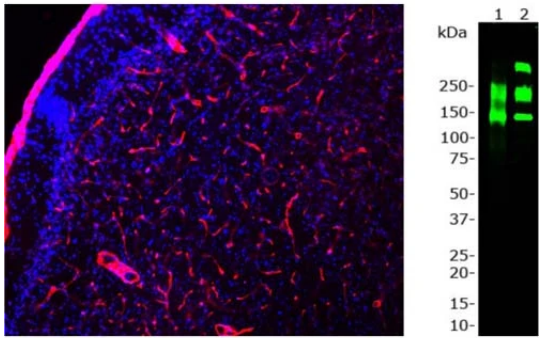


Product Details

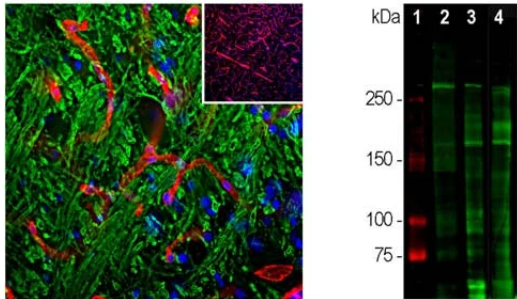
Available Variants	100 µg (SKU:R-1808-100)
Conjugate	Unconjugated
Isotype	IgG
Host Species	Rabbit
Format	Affinity purified
Physical State	Lyophilized
Buffer	Lyophilized from PBS buffer pH 7.2-7.6 with 0.1% trehalose, and sodium azide
Applications	IHC, WB
Dilution Ranges	WB: 1:1000-1:5000 IHC: 1:1000-1:5000
Species Reactivity	Mouse, Rat
Immunogen	Laminin-111 isolated from mouse EHS cells
Specificity	Reacts with mouse and rat, other species not tested. This antibody recognizes laminin isotypes alpha-1 (440 kDa), beta-1 (220 kDa) and gamma-1 (220 kDa). It also binds laminin binding protein at 120 kDa which always co-expresses with laminin.
Storage	Spin vial briefly before opening. Reconstitute with 100 µL sterile-filtered, ultrapure water. Centrifuge to remove any insoluble material. Store lyophilized antibody at 2-8°C. After reconstitution divide into aliquots and store at -20°C for long-term storage. Store at 2-8°C short-term (up to 4 weeks) with an appropriate antibacterial agent. Avoid repetitive freeze/thaw cycles.
UniProt ID	<u>P19137</u> ; <u>P02469</u> ; <u>P02468</u>
Country of Origin	United States
Shipping	25°C (ambient)

Expiration	12 months after date of receipt (unopened vial).
Usage Statement	For research use only.

Product Images



Left: Staining of laminin in mouse section of cortex by **Immunohistochemistry**. Rabbit antibody to Laminin (red) reveals strong staining in the basement membranes of blood vessels. Blue: DAPI nuclear stain. Right: **Western blot** analysis of rat heart cell lysate (Lane 1) and 0.2 ug of purified laminin-111 protein from mouse EHS sarcoma (Lane 2). This antibody recognizes 3 laminin isotypes: alpha-1 (440 kDa), beta-1 (220 kD) and gamma-1 (220 kDa). Also recognized is a laminin-binding protein at 120 kDa in both rat heart lysate and purified laminin protein. Since this protein always co-expresses with laminin this crossreactivity is irrelevant.



Left: Analysis of rat brain stem section stained with rabbit anti-laminin (red, 1:1,000), and chicken anti-myelin basic protein (MBP, C-1383-50, green, 1:5,000) by **Immunohistochemistry**. Blue: DAPI nuclear stain. *IHC Method:* Following transcardial perfusion of rat with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45 um, and free-floating sections were stained. The laminin antibody is an excellent marker of basement membranes surrounding blood vessels, while the MBP antibody stains the myelin sheathes around axons. **Right: Western blot** analysis of laminin expression (green, 1:5,000). [2] rat brain, [3] rat spinal cord, and [4] cow spinal cord. The strong band above the 250 kDa mark corresponds to full-length laminin protein. Smaller proteolytic fragments of laminin are also detected with this antibody.

Product Page URL: www.antibodiesinc.com/products/anti-laminin-111-antibody-r-1808-100

