

Rabbit Laminin Polyclonal Antibody | anti-Lamc1 antibody

Anti-Laminin Picoband Antibody

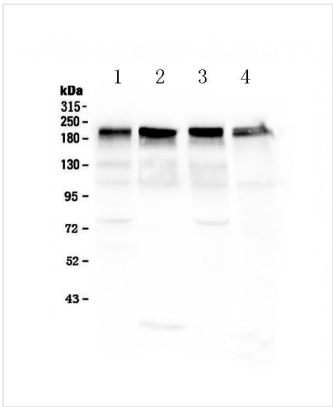
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA124710	Rabbit	Human, Mouse, Rat No cross reactivity with other proteins.	Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

Laminin; Polyclonal Antibody; Anti-Laminin Picoband Antibody; Laminin subunit gamma-1; Laminin B2 chain; Laminin-1 subunit gamma; Laminin-10 subunit gamma; Laminin-11 subunit gamma; Laminin-2 subunit gamma; Laminin-3 subunit gamma; Laminin-4 subunit gamma; Laminin-6 subunit gamma; Laminin-7 subunit gamma; Laminin-8 subunit gamma; Laminin-9 subunit gamma; S-laminin subunit gamma; S-LAM gamma; Lamc1; Lamb-2; Lamc-1; anti-Lamc1 antibody

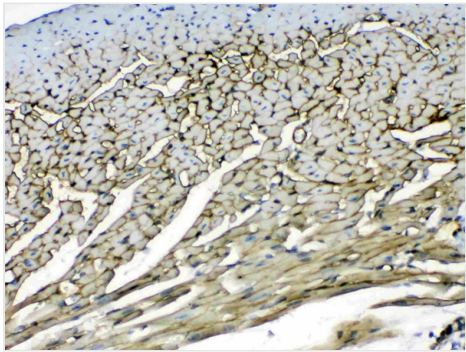
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat No cross reactivity with other proteins.
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified
Form/Format	Lyophilized
Concentration	Add 0.2ml of distilled water will yield a concentration of 500ug/ml. (varies by lot)
Sequence Length	1,607
Applicable Applications for anti-Lamc1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Immunogen	Peptide mixture of laminin gamma1,2,3(NKLNEIEGSLNKADEMKA; DLEERVRRQRNHLHLETISI; LQLDSHGALHHKLRQLEES). Laminin gamma has only three subtypes of antibody to gamma1-3 reactive with all isoforms of laminin.
Subcellular Localization	Secreted, extracellular space, extracellular matrix, basement membrane.
Tissue Specificity	Found in the basement membranes (major component).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



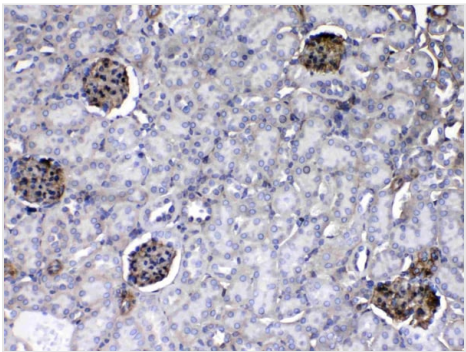
WB (Western Blot)

Figure 1. Western blot analysis of Laminin using anti-Laminin antibody (AAA124710). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: mouse lung tissue lysate, Lane 2: rat cardiac muscle tissue lysate, Lane 3: rat lung tissue lysate, Lane 4: human Hela whole cell lysate. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Laminin antigen affinity purified polyclonal antibody at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for Laminin at approximately 200KD. The expected band size for Laminin is at 177KD.



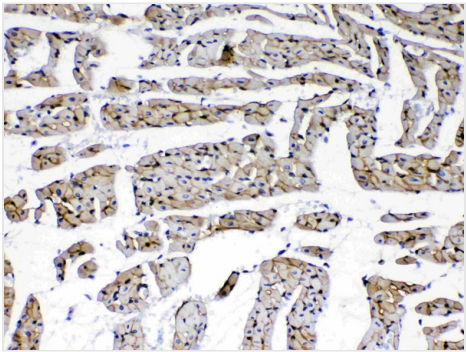
IHC (Immunohistochemistry)

Figure 2. IHC analysis of Laminin using anti-Laminin antibody (AAA124710). Laminin was detected in paraffin-embedded section of mouse heart tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-Laminin Antibody (AAA124710) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



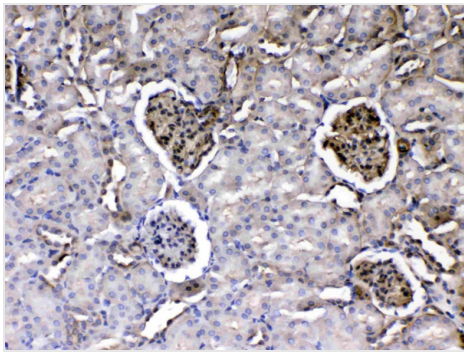
IHC (Immunohistochemistry)

Figure 3. IHC analysis of Laminin using anti-Laminin antibody (AAA124710). Laminin was detected in paraffin-embedded section of mouse kidney tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-Laminin Antibody (AAA124710) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 4. IHC analysis of Laminin using anti-Laminin antibody (AAA124710). Laminin was detected in paraffin-embedded section of rat cardiac muscle tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-Laminin Antibody (AAA124710) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 5. IHC analysis of Laminin using anti-Laminin antibody (AAA124710). Laminin was detected in paraffin-embedded section of rat kidney tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-Laminin Antibody (AAA124710) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-Lamc1 antibody	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.
Product Categories/Family for anti-Lamc1 antibody	Cardiovascular ; Angiogenesis ; Adhesion/ECM ; Extracellular Matrix ; Signal Transduction ; Cytoskeleton/ECM ; Basal Lamina

NCBI AND UNIPROT INFORMATION

NCBI GI #	126370
NCBI GeneID	226519
UniProt Accession #	P02468
Molecular Weight	177298 MW
NCBI Official Full Name	Laminin subunit gamma-1
NCBI Official Synonym Full Names	laminin, gamma 1
NCBI Official Symbol	Lamc1
NCBI Official Synonym Symbols	Lamb2
NCBI Protein Information	laminin subunit gamma-1
UniProt Protein Name	Laminin subunit gamma-1
UniProt Gene Name	Lamc1
UniProt Synonym Gene Names	Lamb-2; Lamc-1; S-LAM gamma

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
 Online datasheet: <https://stage.aaabiotech.com/polyclonal/laminin-antibody-western-blot-immunohistochemistry-elisa/124710>