



# Laminin α-2 Polyclonal Antibody

LAMA2. AA range:2011-2060  Specificity Laminin α-2 Polyclonal Antibody detects endogenous levels of Laminin α-2 protein.  Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  Source Polyclonal, Rabbit,IgG  Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.  Dilution Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.  Concentration 1 mg/ml  Purity ≥90%  Storage Stability -20°C/1 year  Synonyms LAMA2; LAMM; Laminin subunit alpha-2; Laminin M chain; Laminin-12 subunit alpha; Laminin-2 subunit alpha; Laminin-4 subunit alpha; Merosin heavy chain Observed Band  Cell Pathway Secreted, extracellular space, extracellular matrix, basement membrane. Majo component.  Tissue Specificity Placenta, striated muscle, peripheral nerve, cardiac muscle, pancreas, lung, spleen, kidney, adrenal gland, skin, testis, meninges, choroid plexus, and som other regions of the brain; not in liver, thymus and bone.  Function disease: Defects in LAMA2 are the cause of merosin-deficient congenital musculy strophy type 1A (MDC1A) [MIM:607855]. MDC1A is characterized by difficulting walking, hypotonia, proximal weakness, hyporeflexia, and white matter hypodensity on MRI. domain: Domains VI. IV and G are globular. domain: The		
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matrix components.,similarity:Contains 1 Iaminin N-terminal
domain., similarity: Contains 17 Iaminin EGF-like domains., similarity: Contains 2
laminin IV type A domains.,similarity:Contains 5 Iaminin G-like
domains.,subcellular location:Major component.,subunit:Laminin

#### **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],

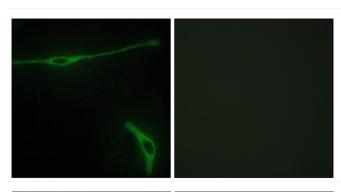
## matters needing attention

Avoid repeated freezing and thawing!

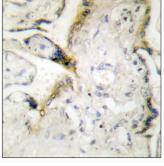
### **Usage suggestions**

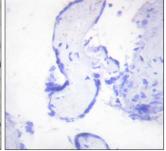
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

### **Products Images**



Immunofluorescence analysis of NIH/3T3 cells, using LAMA2 Antibody. The picture on the right is blocked with the synthesized peptide.





Immunohistochemistry analysis of paraffin-embedded human placenta tissue, using LAMA2 Antibody. The picture on the right is blocked with the synthesized peptide.

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