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Anti-Laminin 2 Alpha Antibody
Catalog # ABO11471

Specification

Anti-Laminin 2 Alpha Antibody - Product Information

Application	**WB**
Primary Accession	P24043
Host	**Rabbit**
Reactivity	**Human, Mouse, Rat**
Clonality	**Polyclonal**
Format	**Lyophilized**

Description
Rabbit IgG polyclonal antibody for Laminin subunit alpha-2(LAMA2) detection. Tested with WB in Human;Mouse;Rat.

Reconstitution
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-Laminin 2 Alpha Antibody - Additional Information

Gene ID 3908

Other Names
Laminin subunit alpha-2, Laminin M chain, Laminin-12 subunit alpha, Laminin-2 subunit alpha, Laminin-4 subunit alpha, Merosin heavy chain, LAMA2, LAMM

Calculated MW
343905 MW KDa

Application Details
Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat

Subcellular Localization
Secreted, extracellular space, extracellular matrix, basement membrane. Major component.

Tissue Specificity
Placenta, striated muscle, peripheral nerve, cardiac muscle, pancreas, lung, spleen, kidney, adrenal gland, skin, testis, meninges, choroid plexus, and some other regions of the brain; not in liver, thymus and bone.

Protein Name
Laminin subunit alpha-2

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.

Immunogen
A synthetic peptide corresponding to a sequence at the N-terminus of human Laminin 2 alpha(152-170aa WILERSLDDVEYKPWQYHA), identical to the related mouse sequence, and

different from the related rat sequence by one amino acid.

Purification
Immunogen affinity purified.

Cross Reactivity
No cross reactivity with other proteins

Storage

At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.

Sequence Similarities
Contains 17 laminin EGF-like domains.

Anti-Laminin 2 Alpha Antibody - Protein Information

Name LAMA2

Synonyms LAMM

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.

Cellular Location
Secreted, extracellular space, extracellular matrix, basement membrane. Note=Major component

Tissue Location
Placenta, striated muscle, peripheral nerve, cardiac muscle, pancreas, lung, spleen, kidney, adrenal gland, skin, testis, meninges, choroid plexus, and some other regions of the brain; not in liver, thymus and bone

Anti-Laminin 2 Alpha Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Laminin 2 Alpha Antibody - Images

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Anti-Laminin 2 alpha antibody, ABO11471, Western blottingLane 1: HELA Cell LysateLane 2: A549 Cell LysateLane 3: PANC Cell Lysate

Anti-Laminin 2 Alpha Antibody - Background

Laminin, alpha-2, also known as LAMA2, is a protein that in humans is encoded by the LAMA2 gene. This gene is mapped to 6q22.33. Laminin, an extracellular protein, is a major component of the basement membrane. It is though 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.