

Laminin α-5 Polyclonal Antibody

Catalog No: YT2527

Reactivity: Human; Mouse

Applications: WB;IHC;IF;ELISA

Target: LAMA5

Fields: >>PI3K-Akt signaling pathway;>>Focal adhesion;>>ECM-receptor

interaction;>>Toxoplasmosis;>>Amoebiasis;>>Human papillomavirus

infection;>>Pathways in cancer;>>Small cell lung cancer

Gene Name: LAMA5

Protein Name: Laminin subunit alpha-5

O15230

Q61001

Human Gene Id: 3911

Human Swiss Prot

No:

Mouse Gene Id: 16776

Mouse Swiss Prot

No:

Immunogen: The antiserum was produced against synthesized peptide derived from human

LAMA5. AA range:2381-2430

Specificity: Laminin α-5 Polyclonal Antibody detects endogenous levels of Laminin α-5

protein.

Formulation: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution: WB 1:500 - 1:2000. IHC: 1:100-300 ELISA: 1:20000. IF 1:100-300 Not yet

tested in other applications.

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-



Sort:

1356

chromatography using epitope-specific immunogen. **Concentration:** 1 mg/ml -15°C to -25°C/1 year(Do not lower than -25°C) **Storage Stability:** Observed Band: 400kD Focal adhesion; ECM-receptor interaction; Pathways in cancer; Small cell lung **Cell Pathway:** cancer; **Background:** This gene encodes one of the vertebrate laminin alpha chains. Laminins, a family of extracellular matrix glycoproteins, are the major noncollagenous constituent of basement membranes. They have been implicated in a wide variety of biological processes including cell adhesion, differentiation, migration, signaling, neurite outgrowth and metastasis. Laminins are composed of 3 nonidentical chains: laminin alpha, beta and gamma (formerly A, B1, and B2, respectively) and they form a cruciform structure consisting of 3 short arms, each formed by a different chain, and a long arm composed of all 3 chains. Each laminin chain is a multidomain protein encoded by a distinct gene. The protein encoded by this gene is the alpha-5 subunit of of laminin-10 (laminin-511). laminin-11 (laminin-521) and laminin-15 (laminin-523). [provided by RefSeg, Jun 2013], **Function:** domain:Domain G is globular and is part of the major cell-binding site located in the long arm of the laminin heterotrimer., 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., similarity: Contains 1 Iaminin IV type A domain., similarity: Contains 1 Iaminin N-terminal domain., similarity: Contains 22 laminin EGF-like domains., similarity: Contains 5 Iaminin G-like domains., subcellular location: Major component., subunit: Laminin-15 complex is an heterotrimer composed of three chains (alpha-5/beta-2/gamma-3) which are bound to each other by disulfide bonds into a cross-shaped molecule comprising one long and three short arms with globules at each end., tissue specificity:Expressed in heart, lung, kidney, skeletal mus Subcellular Secreted, extracellular space, extracellular matrix, basement membrane. Major component. Location: **Expression:** Expressed in heart, lung, kidney, skeletal muscle, pancreas, retina and placenta. Little or no expression in brain and liver. Tag: hot

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No3: ab14509

No4: 1

Host: Rabbit

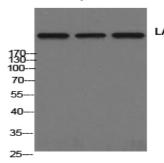
Modifications: Unmodified

Products Images



Immunofluorescence analysis of A549. 1, primary Antibody was diluted at 1:200(4°C overnight). 2, Goat Anti Rabbit IgG (H&L) - Alexa Fluor 488 Secondary antibody was diluted at 1:1000(room temperature, 50min).3, Picture B: DAPI(blue) 10min.

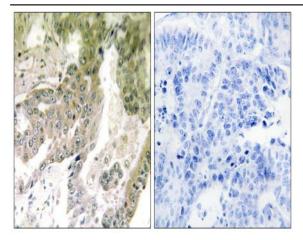
RAW HepG2 A549



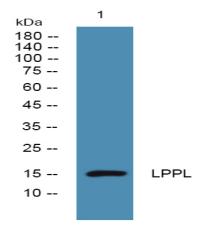
LAMA5

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Western Blot analysis of RAW HepG2 A549 cells using Laminin α -5 Polyclonal Antibody



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using LAMA5 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from DU145 cells, primary antibody was diluted at 1:1000, 4° over night