

Laminin γ-3 Polyclonal Antibody

Catalog No: YT2532

Reactivity: Human; Mouse

Applications: WB;IHC;IF;ELISA

Target : Laminin γ-3

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

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

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

Gene Name: LAMC3

Protein Name: Laminin subunit gamma-3

Q9Y6N6

Q9R0B6

Human Gene Id: 10319

Human Swiss Prot

No:

Mouse Gene ld: 23928

Mouse Swiss Prot

No:

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

LAMC3. AA range:1361-1410

Specificity: Laminin γ-3 Polyclonal Antibody detects endogenous levels of Laminin γ-3

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 - 1:300. IF 1:200 - 1:1000. ELISA: 1:40000. Not

yet tested in other applications.

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



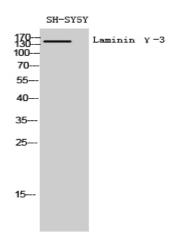
chromatography using epitope-specific immunogen. **Concentration:** 1 mg/ml -15°C to -25°C/1 year(Do not lower than -25°C) **Storage Stability:** Observed Band: 170kD Focal adhesion; ECM-receptor interaction; Pathways in cancer; Small cell lung **Cell Pathway:** cancer; **Background:** Laminins, a family 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 non identical 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. Several isoforms of each chain have been described. Different alpha, beta and gamma chain isomers combine to give rise to different heterotrimeric laminin isoforms which are designated by Arabic numerals in the order of their discovery, i.e. alpha1beta1gamma1 heterotrimer is laminin 1. The biol **Function:** domain:Domain IV is globular.,domain:The alpha-helical domains I and II are thought to interact with other laminin chains to form a coiled coil structure., 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 laminin IV type A domain., similarity: Contains 1 laminin N-terminal domain., similarity: Contains 11 Iaminin EGF-like domains., subunit: Laminin is a complex glycoprotein, consisting of three different polypeptide chains (alpha, beta, gamma), 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. Gamma-3 is a subunit of laminin-12., tissue specificity:Broadly expressed in: skin, heart, lung, and Subcellular Secreted, extracellular space, extracellular matrix, basement membrane. Location: Broadly expressed in: skin, heart, lung, and the reproductive tracts. **Expression:** Sort: 9115 No4:

Rabbit

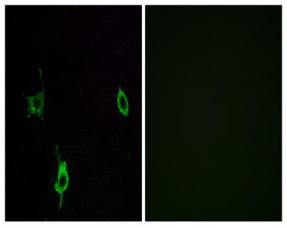
Host:

Modifications: Unmodified

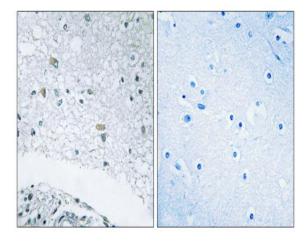
Products Images



Western Blot analysis of SH-SY5Y cells using Laminin γ -3 Polyclonal Antibody diluted at 1:1000



Immunofluorescence analysis of LOVO cells, using LAMC3 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using LAMC3 Antibody. The picture on the right is blocked with the synthesized peptide.