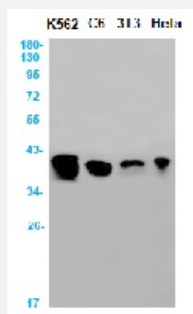


RecomAb™

RPSA recombinant monoclonal antibody, clone R01-1D4

Catalog # RAB01637 Size 100 uL

Applications



Western Blot

Western blot analysis of 67kDa Laminin Receptor in K562, C6, 3T3, HeLa lysates using human 67kDa Laminin Receptor recombinant monoclonal antibody, clone R01-1D4 (Cat # RAB01637).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against synthetic peptide of human 67kDa Laminin Receptor.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human 67kDa Laminin Receptor
Theoretical MW (kDa)	Calculated MW: 33 kD
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunoprecipitation(1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.

Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C for short term. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of 67kDa Laminin Receptor in K562, C6, 3T3, Hela lysates using human 67kDa Laminin Receptor recombinant monoclonal antibody, clone R01-1D4 (Cat # RAB01637).

- Immunoprecipitation

Gene Info — RPSA

Entrez GeneID [3921](#)

Protein Accession# [P08865](#)

Gene Name RPSA

Gene Alias 37LRP, 67LR, LAMBR, LAMR1, LRP, p40

Gene Description ribosomal protein SA

Omim ID [150370](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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. Many of the effects of laminin are mediated through interactions with cell surface receptors. These receptors include members of the integrin family, as well as non-integrin laminin-binding proteins. This gene encodes a high-affinity, non-integrin family, laminin receptor 1. This receptor has been variously called 67 kD laminin receptor, 37 kD laminin receptor precursor (37LRP) and p40 ribosome-associated protein. The amino acid sequence of laminin receptor 1 is highly conserved through evolution, suggesting a key biological function. It has been observed that the level of the laminin receptor transcript is higher in colon carcinoma tissue and lung cancer cell line than their normal counterparts. Also, there is a correlation between the upregulation of this polypeptide in cancer cells and their invasive and metastatic phenotype. Multiple copies of this gene exist, however, most of them are pseudogenes thought to have arisen from retropositional events. Two alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq]

Other Designations

67kD, ribosomal protein SA|laminin receptor 1 (67kD, ribosomal protein SA)

Pathway

- [Ribosome](#)