

Datasheet for ABIN1713335

anti-RPSA/Laminin Receptor antibody



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1 Publication

Overview

Quantity:	100 µL
Target:	RPSA/Laminin Receptor (RPSA)
Reactivity:	Human, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This RPSA/Laminin Receptor antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from middle of human LAMR1
Clone:	5D4
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Purification:	Purified by Protein G.

Target Details

Target:	RPSA/Laminin Receptor (RPSA)
Alternative Name:	LAMR1 (RPSA Products)
Background:	Synonyms: 37LRP, P37- kDa laminin receptor precursor, MGr1-Ag, laminin receptor 1, 67kD,

Target Details

ribosomal protein SA, 34/67 kDa laminin receptor, 40S ribosomal protein SA, 67LR, Colon carcinoma laminin-binding protein, LAMBR, Laminin Receptor 1, LAMR 1, LAMR1, LRP, Multidrug resistance-associated protein MGr1-Ag, NEM/1CHD4, p40, Ribosomal Protein SA, RPSA, 67kD laminin receptor.

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. 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.

Gene ID: 3921

Pathways: [Ribonucleoprotein Complex Subunit Organization](#), [Ribosome Assembly](#)

Application Details

Application Notes: WB 1:300-5000
IHC-P 1:200-400
IF(IHC-P) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in:	Wang, Yu, Guan, Liu, Qiao: "67-kDa Laminin receptor contributes to hypoxia-induced migration and invasion of trophoblast-like cells by mediating matrix metalloproteinase-9." in: Clinical and experimental pharmacology & physiology , Vol. 42, Issue 5, pp. 549-58, (2015) (PubMed).
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