Datasheet for ABIN7270042

anti-RPSA/Laminin Receptor antibody

2 Images

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Overview

Quantity:	100 µL
Target:	RPSA/Laminin Receptor (RPSA)
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This RPSA/Laminin Receptor antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Purpose:	67kDa Laminin Receptor Rabbit mAb
Immunogen:	A synthesized peptide derived from human 67kDa Laminin Receptor
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	RPSA/Laminin Receptor (RPSA)
Alternative Name:	RPSA (RPSA Products)
Background:	Laminins, a family of extracellular matrix glycoproteins, are the major noncollagenous

Target Details

	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, Jul 2008],37LRP, 67LR, ICAS, LAMBR, LAMR1, LBP, LBP/p40, LRP, LRP/LR, NEM/1CHD4, SA, lamR, p40,Angiogenesis,Cardiovascular,Cell Adhesion,Cell Biology & Developmental Biology,Cytoskeleton,Cytoskeleton_Intermediate Filaments,Extracellular Matrix,Neurodegenerative Diseases,Neuroscience,Signal Transduction,RPSA
Molecular Weight:	42kDa
Gene ID:	3921
UniProt:	P08865
Pathways:	Ribonucleoprotein Complex Subunit Organization, Ribosome Assembly

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Restrictions:	For Research Use only

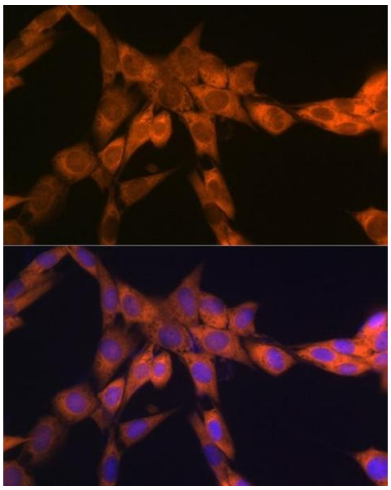
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

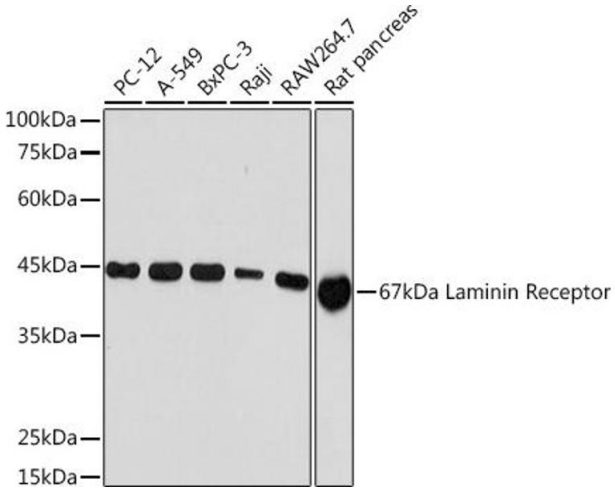
	should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



Immunofluorescence

Image 1. Immunofluorescence analysis of NIH-3T3 cells using 67 kDa Laminin Receptor Rabbit mAb (ABIN7270042) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using 67 kDa Laminin Receptor Rabbit mAb (ABIN7270042) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 10s.