Datasheet for ABIN2854873

anti-RPSA/Laminin Receptor antibody

4 Images

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Overview

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

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human RPSA. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Rabbit Polyclonal antibody to RPSA (ribosomal protein SA) RPSA antibody [N1C3]
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	RPSA/Laminin Receptor (RPSA)
Alternative Name:	ribosomal protein SA (RPSA Products)

Target Details

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. Cellular Localization: Cell membrane , Cytoplasm (By similarity) , Nucleus (By similarity)
Molecular Weight:	33 kDa
Gene ID:	3921
UniProt:	P08865
Pathways:	Ribonucleoprotein Complex Subunit Organization, Ribosome Assembly

Application Details

Application Notes:	WB: 1:500-1:3000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: Mouse brain , Jurkat , HepG2
Restrictions:	For Research Use only

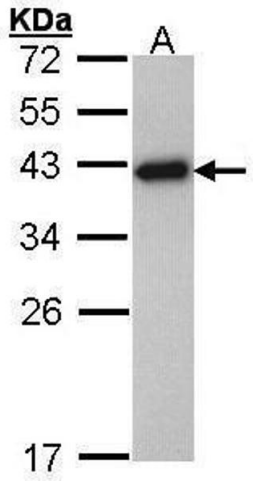
Handling

Format:	Liquid
Concentration:	0.1 mg/mL
Buffer:	1XPBS pH 7, 1 % BSA, 20 % Glycerol, 0.025 % ProClin 300

Handling

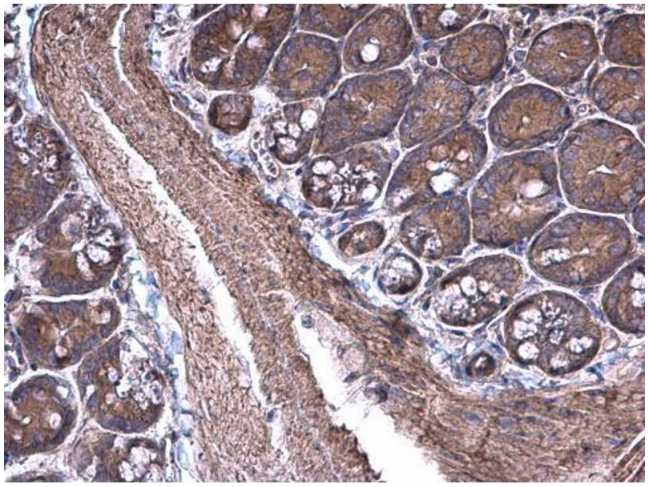
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Images



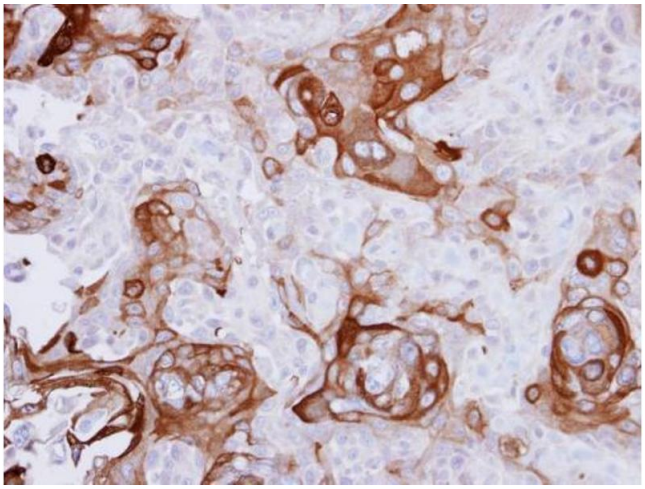
Western Blotting

Image 1. WB Image Sample (30 ug of whole cell lysate) A: Hep G2 , 12% SDS PAGE antibody diluted at 1:1000



Immunohistochemistry

Image 2. IHC-P Image RPSA antibody [N1C3] detects RPSA protein at cytoplasm on mouse small intestine by immunohistochemical analysis. Sample: Paraffin-embedded mouse small intestine. RPSA antibody [N1C3] , diluted at 1:500.



Immunohistochemistry

Image 3. IHC-P Image Immunohistochemical analysis of paraffin-embedded CA922 xenograft, using RPSA, antibody at 1:500 dilution.

Please check the product details page for more images. Overall 4 images are available for ABIN2854873.