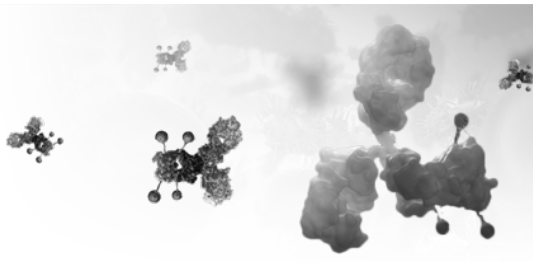

RPSA blocking peptide (CDBP6028)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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, Jul 2008]
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 µg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

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Gene Name	RPSA ribosomal protein SA [Homo sapiens (human)]
Official Symbol	RPSA
Synonyms	RPSA; ribosomal protein SA; SA; LBP; LRP; p40; 67LR; ICAS; lamR; 37LRP; LAMBR; LAMR1; LRP/LR; LBP/p40; NEM/1CHD4; 40S ribosomal protein SA; 37 kDa laminin receptor; 67 kDa laminin receptor; 37/67 kDa laminin receptor; laminin-binding protein precursor p40; colon carcinoma laminin-binding protein; laminin receptor 1 (67kD, ribosomal protein SA); multidrug resistance-associated protein MGr1-Ag
Entrez Gene ID	3921
mRNA Refseq	NM_001012321
Protein Refseq	NP_001012321
UniProt ID	P08865
Pathway	Activation of the mRNA upon binding of the cap-binding complex and eIFs; Alpha6-Beta4 Integrin Signaling Pathway; Cap-dependent Translation Initiation; Cytoplasmic Ribosomal Proteins; Disease; Eukaryotic Translation Elongation; Eukaryotic Translation Initiation; Eukaryotic Translation Termination
Function	laminin binding; laminin receptor activity; poly(A) RNA binding; protein binding; ribosome binding; structural constituent of ribosome

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