

KO-Validated Anti-Ribosomal Protein SA Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI2429

Product Information

Application	WB, FC, ICC
Primary Accession	P08865
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	25GB2950
Calculated MW	32854
Gene Name	RPSA
Aliases	RPSA; Ribosomal Protein SA; 37LRP; LAMR1; LRP; P40; US2; SA; Laminin Receptor 1 (67kD, Ribosomal Protein SA); Multidrug Resistance-Associated Protein MGr1-Ag; Colon Carcinoma Laminin-Binding Protein; Laminin-Binding Protein Precursor P40; Small Ribosomal Subunit Protein US2; 37/67 KDa Laminin Receptor; 40S Ribosomal Protein SA; 67 KDa Laminin Receptor; NEM/1CHD4; LBP/P40; LRP/LR; LAMBR; 67LR; LamR; 37 KDa Laminin Receptor Precursor; 37 KDa Laminin Receptor; Laminin Receptor 1; ICAS; LBP
Immunogen	A synthesized peptide derived from human 67kDa Laminin Receptor

Additional Information

Gene ID	3921
Other Names	Small ribosomal subunit protein uS2 {ECO:0000255 HAMAP-Rule:MF_03016, ECO:0000303 PubMed:24524803}, 37 kDa laminin receptor precursor {ECO:0000255 HAMAP-Rule:MF_03016}, 37LRP {ECO:0000255 HAMAP-Rule:MF_03016}, 37/67 kDa laminin receptor {ECO:0000255 HAMAP-Rule:MF_03016}, LRP/LR {ECO:0000255 HAMAP-Rule:MF_03016}, 40S ribosomal protein SA, 67 kDa laminin receptor {ECO:0000255 HAMAP-Rule:MF_03016}, 67LR {ECO:0000255 HAMAP-Rule:MF_03016}, Colon carcinoma laminin-binding protein, Laminin receptor 1 {ECO:0000255 HAMAP-Rule:MF_03016}, LamR {ECO:0000255 HAMAP-Rule:MF_03016}, Laminin-binding protein precursor p40 {ECO:0000255 HAMAP-Rule:MF_03016}, LBP/p40 {ECO:0000255 HAMAP-Rule:MF_03016}, Multidrug resistance-associated protein MGr1-Ag, NEM/1CHD4, RPSA {ECO:0000255 HAMAP-Rule:MF_03016}, LAMBR, LAMR1

Protein Information

Name	RPSA {ECO:0000255 HAMAP-Rule:MF_03016}
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Synonyms	LAMBR, LAMR1
Function	Required for the assembly and/or stability of the 40S ribosomal subunit. Required for the processing of the 20S rRNA- precursor to mature 18S rRNA in a late step of the maturation of 40S ribosomal subunits. Also functions as a cell surface receptor for laminin. Plays a role in cell adhesion to the basement membrane and in the consequent activation of signaling transduction pathways. May play a role in cell fate determination and tissue morphogenesis. Acts as a PPP1R16B-dependent substrate of PPP1CA.
Cellular Location	Cell membrane. Cytoplasm. Nucleus {ECO:0000255 HAMAP-Rule:MF_03016}. Note=67LR is found at the surface of the plasma membrane, with its C-terminal laminin-binding domain accessible to extracellular ligands. 37LRP is found at the cell surface, in the cytoplasm and in the nucleus (By similarity) Colocalizes with PPP1R16B in the cell membrane. {ECO:0000255 HAMAP-Rule:MF_03016}

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.