

Anti-Laminin-R antibody



Description	Rabbit polyclonal to Laminin-R.
Model	STJ93898
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human Laminin-R.
Immunogen Region	Internal
Gene ID	3921
Gene Symbol	RPSA
Dilution range	WB 1:500-1:2000IHC 1:100-1:300ELISA 1:40000
Specificity	Laminin-R Polyclonal Antibody detects endogenous levels of Laminin-R protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	40S ribosomal protein SA 37 kDa laminin receptor precursor 37LRP 37/67 kDa laminin receptor LRP/LR 67 kDa laminin receptor 67LR Colon carcinoma laminin-binding protein Laminin receptor 1 LamR Lam
Molecular Weight	43 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:6502OMIM:150370
Alternative Names	40S ribosomal protein SA 37 kDa laminin receptor precursor 37LRP 37/67 kDa laminin receptor LRP/LR 67 kDa laminin receptor 67LR Colon carcinoma laminin-binding protein Laminin receptor 1 LamR Lam
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. (Microbial infection) Acts as a receptor for the adeno-associated viruses 2,3,8 and 9, dengue virus, Sindbis virus and Venezuelan equine encephalitis virus . Also acts as a receptor for pathogenic prion protein and bacteria .
Cellular Localization	Cell membrane. Cytoplasm. Nucleus. 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 . Colocalizes with PPP1R16B in the cell membrane.
Post-translational Modifications	Acylated. Acylation may be a prerequisite for conversion of the monomeric 37 kDa laminin receptor precursor (37LRP) to the mature dimeric 67 kDa laminin receptor (67LR), and may provide a mechanism for membrane association . Cleaved by stromelysin-3 (ST3) at the cell surface. Cleavage by stromelysin-3 may be a mechanism to alter cell-extracellular matrix interactions.