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Anti-67kDa Laminin Receptor RPSA Rabbit Monoclonal Antibody

Catalog # ABO14294

Product Information

Application	WB, IHC, IF, ICC, IP, FC
Primary Accession	P08865
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-67kDa Laminin Receptor RPSA Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.

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
Calculated MW	32854
Application Details	WB 1:500-1:2000 IHC 1:50-1:200 ICC/IF 1:50-1:200 IP 1:50 FC 1:50
Subcellular 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 (By similarity). Colocalizes with PPP1R16B in the cell

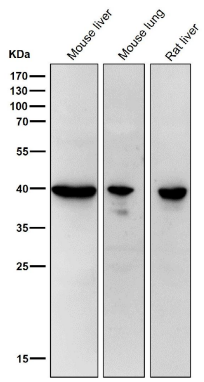
membrane..

Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: AOAO-18
Immunogen	A synthesized peptide derived from human 67kDa Laminin Receptor
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

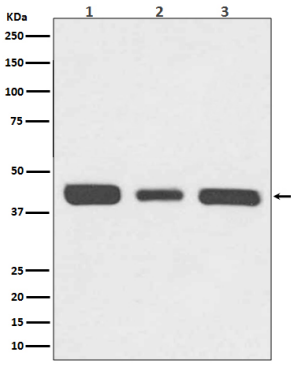
Name	RPSA {ECO:0000255|HAMAP-Rule:MF_03016}
Synonyms	LAMBR, LAMR1
Function	Required for the assembly and/or stability of the 40S ribosomal subunit. Required for the processing of the 20S rRNA- precursor to mature 18S rRNA in a late step of the maturation of 40S ribosomal subunits. Also functions as a 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}

Images



All lanes use the Antibody at 1:6K dilution for 1 hour at room temperature.

Western blot analysis of 67kDa Laminin Receptor expression in (1) HeLa cell lysate; (2) NIH/3T3 cell lysate; (3) PC-12 cell lysate.



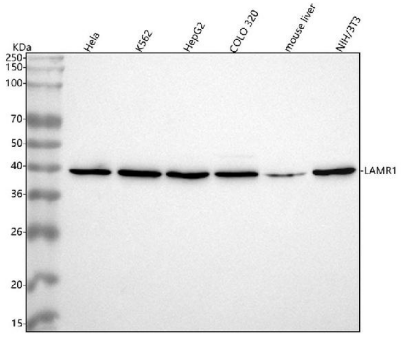


Figure 1. Western blot analysis of 67kDa Laminin Receptor using anti-67kDa Laminin Receptor antibody (M01691).
Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human Hela whole cell lysates,
Lane 2: human K562 whole cell lysates,
Lane 3: human HepG2 whole cell lysates,
Lane 4: human COLO320 whole cell lysates,
Lane 5: mouse liver tissue lysates,
Lane 6: mouse NIH/3T3 whole cell lysates.
After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-67kDa Laminin Receptor antigen affinity purified monoclonal antibody (Catalog # M01691) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:500 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for 67kDa Laminin Receptor at approximately 40 kDa. The expected band size for 67kDa Laminin Receptor is at 33 kDa.

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