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Rpsa antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI13668

Specification

Rpsa antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	P14206
Other Accession	NM_011029, NP_035159
Reactivity	**Human, Mouse, Rat, Rabbit, Pig, Goat, Sheep, Horse, Bovine, Dog**
Predicted	**Human, Mouse, Sheep, Horse, Bovine, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**32kDa KDa**

Rpsa antibody - N-terminal region - Additional Information

Gene ID 16785

Alias Symbol	**67kDa, 67lr, AL022858, Lamr, Lamr1, Lamrl1, MGC117921, MGC118614, MLR, P40, P40-3, P40-8**

Other Names
40S ribosomal protein SA {ECO:0000255|HAMAP-Rule:MF_03016}, 37 kDa laminin receptor precursor {ECO:0000255|HAMAP-Rule:MF_03016}, 37LRP {ECO:0000255|HAMAP-Rule:MF_03016}, 37 kDa oncofetal antigen, 37/67 kDa laminin receptor {ECO:0000255|HAMAP-Rule:MF_03016}, LRP/LR {ECO:0000255|HAMAP-Rule:MF_03016}, 67 kDa laminin receptor {ECO:0000255|HAMAP-Rule:MF_03016}, 67LR {ECO:0000255|HAMAP-Rule:MF_03016}, 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}, OFA/iLRP, Rpsa, Lamr1, P40-8

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 ul of distilled water. Final anti-Rpsa antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions
Rpsa antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Rpsa antibody - N-terminal region - Protein Information

Name Rpsa

Synonyms Lamr1, P40-8

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. Also acts as a receptor for several other ligands, including the pathogenic prion protein, viruses, and bacteria. Acts as a PPP1R16B-dependent substrate of PPP1CA (By similarity). Enables malignant tumor cells to penetrate laminin tissue and vessel barriers. Activates precursor thymic anti- OFA/iLRP specific cytotoxic T-cell. May induce CD8 T-suppressor cells secreting IL-10.

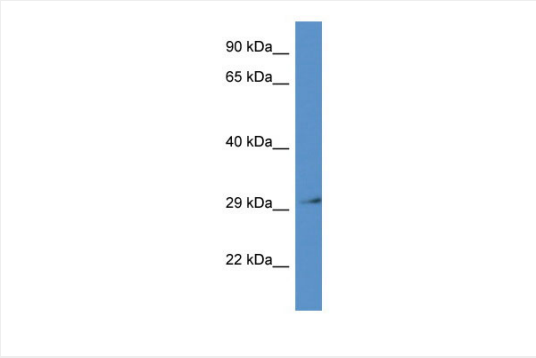
Cellular Location
Cell membrane. Cytoplasm. Nucleus. Note=67LR is found at the surface of the plasma membrane, with its C-terminal laminin-binding domain accessible to extracellular ligands. 37LRP is found at the cell surface, in the cytoplasm and in the nucleus. Colocalizes with PPP1R16B in the cell membrane (By similarity). 37LRP shuttles to the nucleus upon midkine (MDK) binding. {ECO:0000255|HAMAP-Rule:MF_03016}

Rpsa antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Rpsa antibody - N-terminal region - Images



WB Suggested Anti-Rpsa Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Heart

Rpsa antibody - N-terminal region - References

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Makrides S.,et al.Nucleic Acids Res. 16:2349-2349(1988).
Coggin J.H. Jr.,et al.Anticancer Res. 19:5535-5542(1999).

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Carninci P.,et al.Science 309:1559-1563(2005).