# Laminin-R rabbit pAb

## Cat#: orb768962 (Manual)

For research use only. Not intended for diagnostic use.

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| **Product Name** | Laminin-R rabbit pAb |
| **Host species** | Rabbit |
| **Applications** | WB;IHC;IF;ELISA |
| **Species Cross-Reactivity** | Human;Mouse;Rat |
| **Recommended dilutions** | Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications. |
| **Immunogen** | The antiserum was produced against synthesized peptide derived from human Laminin-R. AA range:166-215 |
| **Specificity** | Laminin-R Polyclonal Antibody detects endogenous levels of Laminin-R protein. |
| **Formulation** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.. |
| **Storage** | Store at -20°C. Avoid repeated freeze-thaw cycles. |
| **Protein Name** | 40S ribosomal protein SA |
| **Gene Name** | RPSA |
| **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 (By similarity |
| **Purification** | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |

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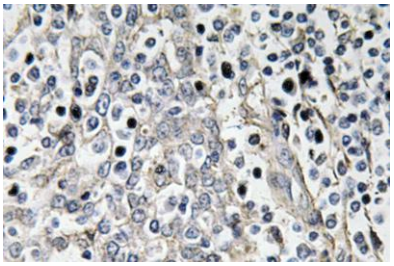
|---|---|
| **Clonality** | Polyclonal |
| **Concentration** | 1 mg/ml |
| **Observed band** | 43kD |
| **Human Gene ID** | 3921 |
| **Human Swiss-Prot Number** | P08865 |
| **Alternative Names** | RPSA; LAMBR; LAMR1; 40S ribosomal protein SA; 37 kDa laminin receptor precursor; 37LRP; 37/67 kDa laminin receptor; LRP/LR; 67 kDa laminin receptor; 67LR; Colon carcinoma laminin-binding protein; Laminin receptor 1; LamR; Laminin-binding pr |
| **Background** | 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 |



**Immunohistochemistry analysis of Laminin-R antibody in paraffin-embedded human tonsil tissue.**

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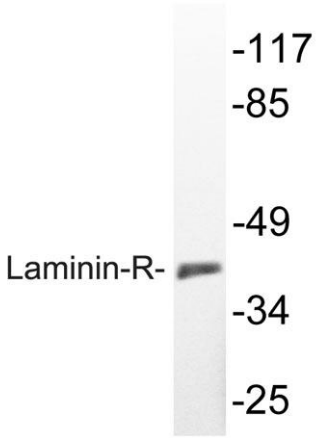


**Western blot analysis of lysate from K562 cells, using Laminin-R antibody.**

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