

DATASHEET

Version: 2016-08-17

67kDa Laminin Receptor Antibody, pAb, Rabbit**Cat. No.:** A01638-40**Size:** 40 µg**Synonyms:** LAMR1 Antibody, pAb, Rabbit;**Description:**

67kDa Laminin Receptor has multiple biological activities which are mediated through its interaction with specific cell membrane receptors. The receptor is required for the assembly and/or stability of the 40S ribosomal subunit. 67kDa Laminin Receptor participates in the processing of the 20S rRNA-precursor to mature 18S rRNA in a late step of the maturation of 40S ribosomal subunits. It also functions as a cell surface receptor for laminin and plays a role in cell adhesion to the basement membrane in the consequent activation of signaling transduction pathways. Overexpression of 67kDa Laminin Receptor is reportedly an independent prognostic factor in breast cancer and correlates with the dissemination of the tumor cells in bone marrow.

GenScript **67kDa Laminin Receptor Antibody, pAb, Rabbit** is developed in rabbit using a KLH-coupled synthetic peptide from C-terminal of 67kDa Laminin Receptor (Swiss Prot: P08865).

Immunogen: KLH-coupled synthetic peptide from C-terminal of 67kDa Laminin Receptor (Swiss Prot: P08865)

Host: Rabbit**Antigen Synonyms:** Human**Conjugation:** Unconjugated**Predicated Band Size:**

32 KD

Observed Band Size:

35 KD

Formulation:**Example**

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide.

Ig Subclass: Rabbit IgG

Specificity: GenScript 67kDa Laminin Receptor Antibody, pAb, Rabbit detects endogenous levels of human 67kDa Laminin Receptor.

Positive Control: Hela, HEK293 and MCF-7**Purification:** Immunoaffinity chromatography**Applications:**

Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

Western blot: 0.5-1 µg/ml**Immunoprecipitation (IP):** 2-10 µg/mg of lysate**Other Applications:** user optimized.

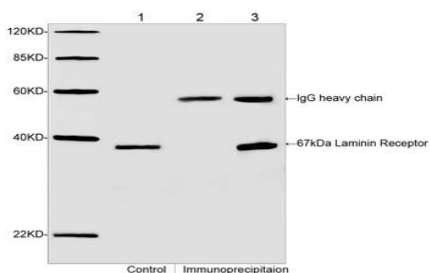
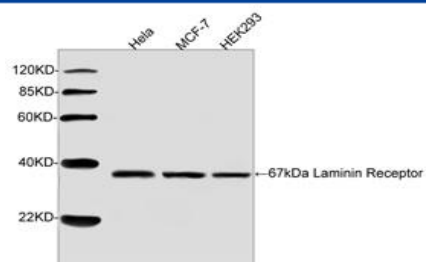
Species Reactivity: Human. Reactivity to other species is not tested yet.

Reconstitution:

Reconstitute the lyophilized powder with deionized water (or equivalent) to an antibody concentration of 0.5 mg/ml.

Storage:

The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.



Western blot analysis of immunoprecipitates from MCF-7 cell lysates using 67kDa Laminin Receptor Antibody, pAb, Rabbit (GenScript, A01638, 1 μ g/ml)

Lane 1: Input control material for MCF-7 cell lysates

Lane 2: Negative control – IP with isotype control antibody (GenScript, A01008)

Lane 3: Immunoprecipitation with 67kDa Laminin Receptor Antibody (GenScript, A01638)