

Anti-67kDa Laminin Receptor/RPSA Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

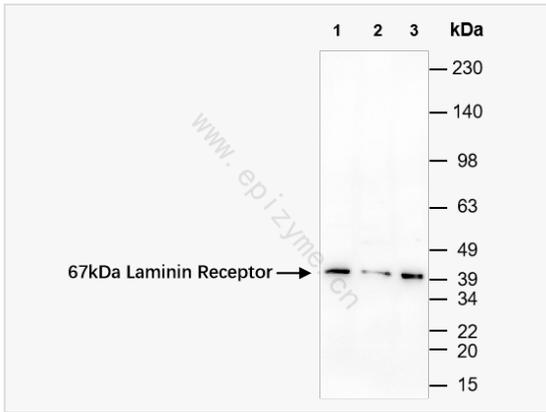
Catalog # R015100

Product Information

Application	WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	87N39D44
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human 67kDa Laminin Receptor
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-67kDa Laminin Receptor/RPSA Rabbit mAb [87N39D44] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	34/67 kDa laminin receptor, 37 kDa laminin receptor precursor, 37/67 kDa laminin receptor, 37LRP, 40S ribosomal protein SA, 67 kDa laminin receptor, 67LR, Colon carcinoma laminin binding protein, Colon carcinoma laminin-binding protein, LAMBR, Laminin receptor 1, Laminin-binding protein precursor p40, LAMR 1, LamR, LAMR1, LBP, LBP/p40, LRP, LRP/LR, Multidrug resistance associated protein MGr1 Ag, Multidrug resistance associated protein MGr1Ag, Multidrug resistance-associated protein MGr1-Ag, NEM/1CHD4, p40, Ribosomal Protein SA, rpsA, RSSA_HUMAN, SA.
Calculated MW	Calculated MW: 33 kDa; Observed MW: 42 kDa
Uniprot ID	P08865
Gene ID	3921
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 colon carcinoma tissue and lung cancer cell line than their normal counterparts. Also, there is a correlation between the upregulation of this polypeptide in cancer cells and their invasive and metastatic phenotype. Multiple



Western Blot - Anti-67kDa Laminin Receptor/RPSA Rabbit mAb [87N39D44]

All lanes: R015100 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: A431 (Human epidermoid teratoma cell line) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

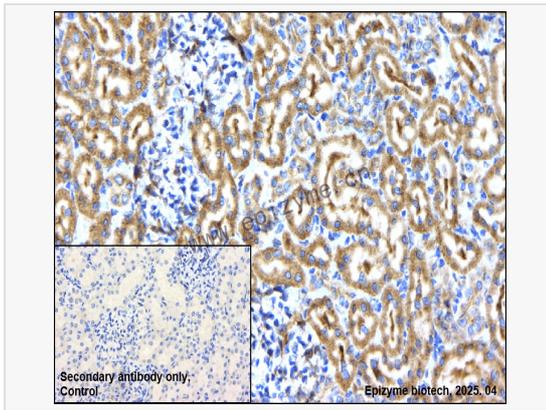
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 33 kDa

Observed band size: 42 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-67kDa Laminin Receptor/RPSA Rabbit mAb [87N39D44]

Sample: Paraformaldehyde-fixed, paraffin embedded rat kidney tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R015100 at 1:200 dilution

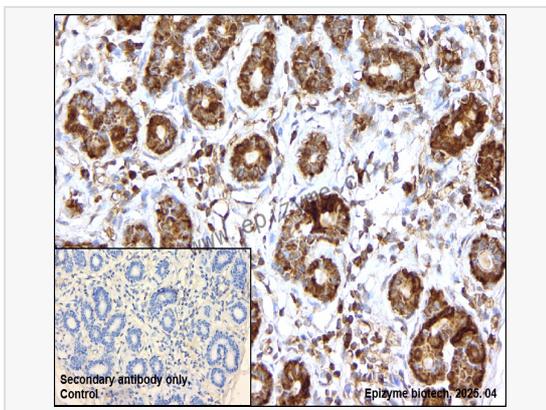
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-67kDa Laminin Receptor/RPSA Rabbit mAb [87N39D44]

Sample: Paraformaldehyde-fixed, paraffin embedded human breast cancer tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R015100 at 1:200 dilution

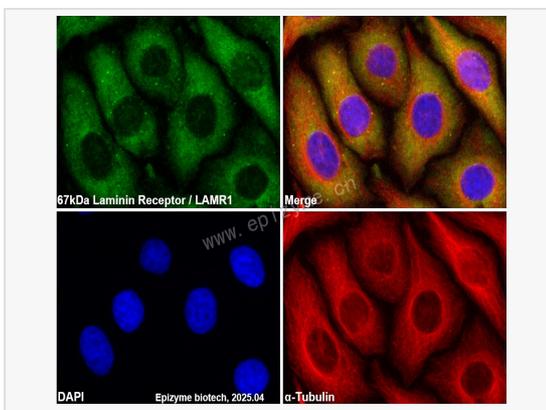
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunofluorescence - Anti-67kDa Laminin Receptor/RPSA Rabbit mAb [87N39D44]

Sample: HeLa cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R015100 at 1:100 dilution and α -tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).