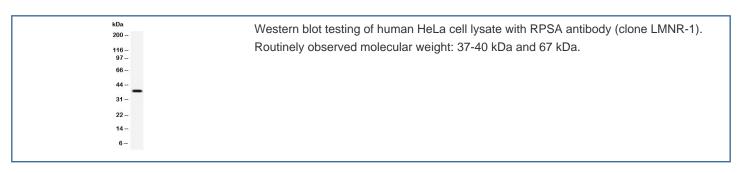


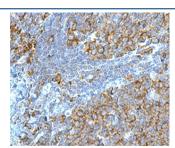
# RPSA Antibody / 40S Ribosomal protein SA / Laminin Receptor 1 [clone LMNR-1] (V7289)

Catalog No.	Formulation	Size
V7289-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7289-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7289SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7289IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

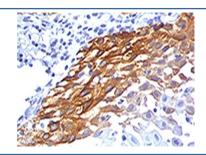
## **Bulk quote request**

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG
Clone Name	LMNR-1
Purity	Protein G affinity chromatography
UniProt	P08865
Localization	Cell surface, cytoplasmic, nuclear
Applications	Immunofluorescence: 1-2ug/ml Flow Cytometry: 1-2ug/10^6 cells Western Blot: 1-2ug/ml Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT Prediluted IHC Only Format: incubate for 30 min at RT (1)
Limitations	This RPSA antibody is available for research use only.

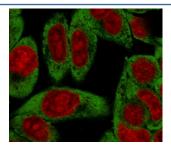




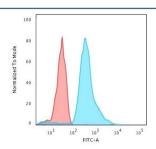
IHC testing of FFPE human tonsil stained with RPSA antibody (clone LMNR-1). Required HIER: boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.



IHC testing of FFPE human cervical carcinoma stained with RPSA antibody (clone LMNR-1). Required HIER: boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.



Immunofluorescent staining of PFA-fixed human HeLa cells with RPSA antibody (green, clone LMNR-1) and Reddot nuclear stain (red).



FACS staining of PFA-fixed Raji cells with RPSA antibody (clone LMNR-1); Red=isotype control, Blue= RPSA antibody.

### **Description**

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. [UniProt]

## **Application Notes**

The stated application concentrations are suggested starting points. Titration of the RPSA antibody may be required due

to differences in protocols and secondary/substrate sensitivity.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

#### **Immunogen**

Recombinant full length protein was used as the immunogen for the RPSA antibody.

#### **Storage**

Store the RPSA antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).