

## Rabbit anti-Human, Mouse RPSA Polyclonal Antibody | anti-RPSA antibody

RPSA Antibody

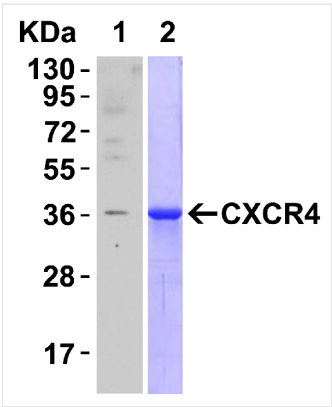
| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                                                  |
|-----------|--------|--------------|---------------------------------------------------------------|
| AAA40718  | Rabbit | Human, Mouse | Immunofluorescence, Immunohistochemistry, Western Blot, ELISA |

### PRODUCT SYNONYMS

RPSA; Polyclonal Antibody; RPSA Antibody; SA; LBP; LRP; p40; 67LR; ICAS; lamR; 37LRP; LAMBR; LAMR1; LRP/LR; LBP/p40; NEM/1CHD4; 40S ribosomal protein SA; 37 kDa laminin receptor precursor; ribosomal protein SA; anti-RPSA antibody

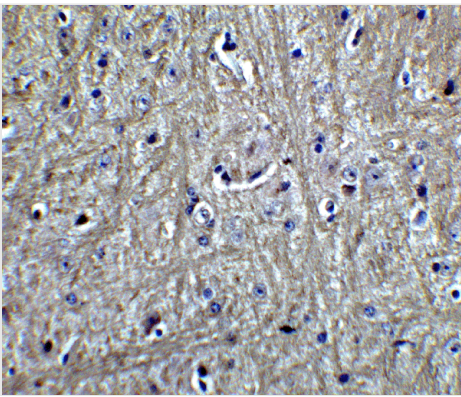
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                         |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                  |
| Reactivity                                     | Human, Mouse                                                                                            |
| Clonality                                      | Polyclonal                                                                                              |
| Isotype                                        | IgG                                                                                                     |
| Specificity                                    | RPSA antibody is human, mouse and rat reactive.                                                         |
| Purity/Purification                            | RPSA antibody is affinity chromatography purified via peptide column.                                   |
| Form/Format                                    | Liquid                                                                                                  |
| Concentration                                  | 1 mg/mL (varies by lot)                                                                                 |
| Sequence Length                                | 295                                                                                                     |
| Applicable Applications for anti-RPSA antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA                           |
| Conjugate                                      | Unconjugated                                                                                            |
| Immunogen                                      | RPSA antibody was raised against a 17 amino acid peptide near the carboxy terminus of human RPSA.       |
| Buffer                                         | RPSA antibody is supplied in PBS containing 0.02% sodium azide.                                         |
| Preparation and Storage                        | RPSA antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. |



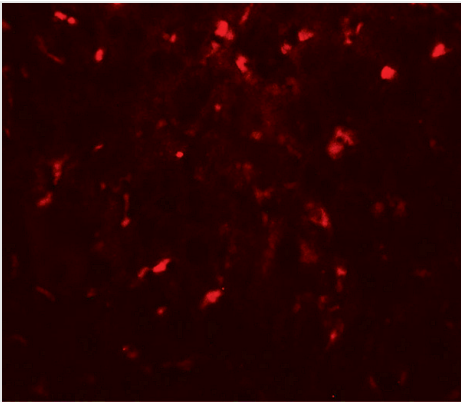
IF (Immunofluorescence)

Immunofluorescence of RPSA in mouse brain tissue with RPSA Antibody at 20 &#956;g/mL.Green: RPSA antibody (7605)Red: Phylloidin stainingBlue: DAPI staining



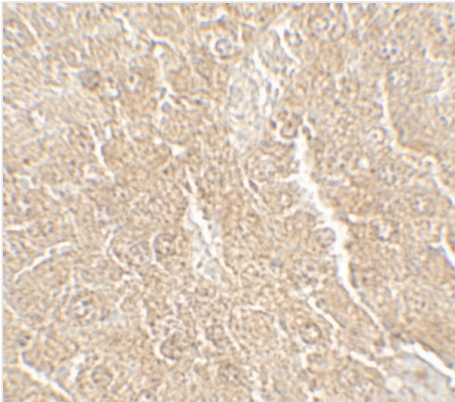
IHC (Immunohistochemistry)

Immunohistochemistry of RPSA in mouse brain tissue with RPSA Antibody at 5 &#956;g/mL.



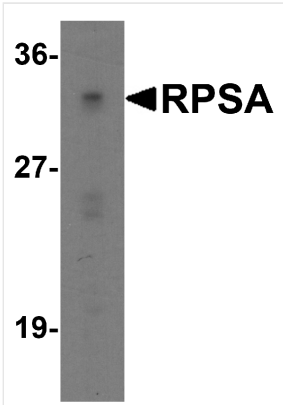
IF (Immunofluorescence)

Immunofluorescence of RPSA in mouse liver tissue with RPSA antibody at 20 &#956;g/mL.



IHC (Immunohiostchemistry)

Immunohistochemistry of RPSA in mouse liver tissue with RPSA antibody at 5 &#956;g/mL.



WB (Western Blot)

Western blot analysis of RPSA in Caco-2 cell lysate with RPSA antibody at 1 &#956;g/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-RPSA antibody

The 40S ribosomal protein SA (RPSA) is a high-affinity, non-integrin family, laminin receptor, also known as 67 kDa laminin receptor or 37 kDa laminin receptor precursor (37LRP) (1). Laminins, a family of extracellular matrix glycoproteins, are the major noncollagenous constituent of basement membranes and have been implicated in a variety of biological processes including cell adhesion, differentiation, migration, signaling, neurite outgrowth and metastasis (2). RPSA is overexpressed in multiple types of cancers and has recently been shown to act as a cancer-specific death receptor (3).

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                                          |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 9845502                                                                                                                                                                                                                                                                                  |
| NCBI GeneID                      | 3921                                                                                                                                                                                                                                                                                     |
| NCBI Accession #                 | NP_002286                                                                                                                                                                                                                                                                                |
| NCBI GenBank Nucleotide #        | NM_002295.5                                                                                                                                                                                                                                                                              |
| UniProt Accession #              | P08865; P11085; P12030; Q16471; Q6IPD1; Q6IPD2; Q6NSD1; Q6NXQ8; Q86VC0                                                                                                                                                                                                                   |
| Molecular Weight                 | Predicted: 32 kDa<br>Observed: 38 kDa                                                                                                                                                                                                                                                    |
| NCBI Official Full Name          | 40S ribosomal protein SA isoform 1                                                                                                                                                                                                                                                       |
| NCBI Official Synonym Full Names | ribosomal protein SA                                                                                                                                                                                                                                                                     |
| NCBI Official Symbol             | RPSA                                                                                                                                                                                                                                                                                     |
| NCBI Official Synonym Symbols    | SA; LBP; LRP; p40; 67LR; ICAS; lamR; 37LRP; LAMBR; LAMR1; LRP/LR; LBP/p40; NEM/1CHD4                                                                                                                                                                                                     |
| NCBI Protein Information         | 40S ribosomal protein SA; 37 kDa laminin receptor; 67 kDa laminin receptor; 37/67 kDa laminin receptor; laminin-binding protein precursor p40; colon carcinoma laminin-binding protein; laminin receptor 1 (67kD, ribosomal protein SA); multidrug resistance-associated protein MGr1-Ag |
| UniProt Protein Name             | 40S ribosomal protein SA                                                                                                                                                                                                                                                                 |
| UniProt Gene Name                | RPSA                                                                                                                                                                                                                                                                                     |
| UniProt Entry Name               | RSSA_HUMAN                                                                                                                                                                                                                                                                               |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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