

Datasheet for 600-401-EC1**RPSA Antibody****Overview**

Description:	Anti-RPSA (RABBIT) Antibody - 600-401-EC1
Item No.:	600-401-EC1
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	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).
Synonyms:	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
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	RPSA
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-RPSA antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid peptide near the C-terminus of human RPSA.

Purity/Specificity: Anti-RPSA antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. RPSA antibody is human, mouse and rat reactive.

Relevant Links:

- [UniProtKB - P08865](#)
- [GeneID - 3921](#)
- [NCBI - NP_002286](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-RPSA Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 33 kDa in Western Blots of specific cell lysates and tissues.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:10,000 - 1:20,000

IF: 20 µg/mL

IHC: 5 µg/mL

WB: 1-2 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1 mg/mL by UV absorbance at 280 nm

Buffer: 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

Preservative: 0.02% (w/v) Sodium Azide

Stabilizer: None

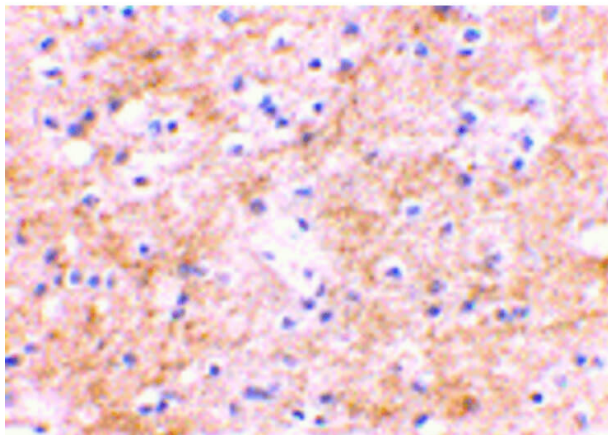
Shipping & Handling

Shipping Condition: Dry Ice

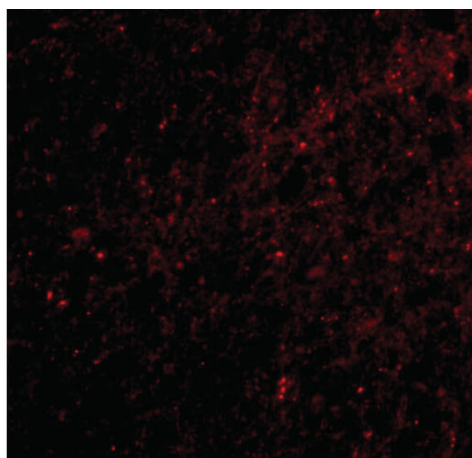
Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration:

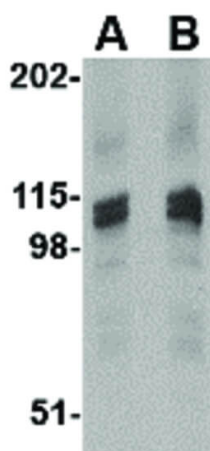
Expiration date is one (1) year from date of receipt.

Images**Immunohistochemistry**

Immunohistochemistry of SAPAP3 antibody. Tissue: Human brain tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: SAPAP3 antibody at 2.5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: SAPAP3 is nuclear and occasionally cytoplasmic. Staining: SAPAP3 as precipitated red signal with hematoxylin purple nuclear counterstain.

**Immunofluorescence Microscopy**

Immunofluorescence Microscopy of SAPAP3 antibody. Tissue: Human brain tissue. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: SAPAP3 antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Staining: SAPAP3 as a red fluorescent signal.

**Western Blot**

Western Blot of SAPAP3 antibody. Lane A: Rat brain tissue lysate at 1 µg/mL. Lane B: Rat brain tissue lysate at 2 µg/mL. Load: 35 µg per lane. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 32.8 kDa, ~110 kDa for SAPAP3.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.