

Datasheet for 600-401-EG7**SEPT1 Antibody****Overview**

Description:	Anti-SEPT1(RABBIT) Antibody - 600-401-EG7
Item No.:	600-401-EG7
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	SEPT1 (also known as Septin 1), is a member of the septin family of GTPases. Members of this family are required for cytokinesis and the maintenance of cellular morphology. SEPT1 was initially identified through yeast two-hybrid screening as an interaction partner for the serine/threonine kinase Aurora-B. During mitosis, SEPT1 localizes to the spindle pole, suggesting that it may play a role in cytokinesis and chromosome congression.
Synonyms:	SEPT1 Antibody, LARP, SEP1, DIFF6, PNUTL3, Septin-1, LARP
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	SEPT1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-SEPT1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid synthetic peptide near the C-terminus of human SEPT1.
Purity/Specificity:	Anti-SEPT1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. At least two isoforms of SEPT1 are known to exist. This antibody is predicted to not cross-react with other Septin protein family members.

Relevant Links:	• UniProtKB - Q8WYJ6 • GeneID - 1731 • NCBI - NP_443070
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Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-SEPT1 Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 42 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
IF:	5 µg/mL
WB:	1 µg/mL

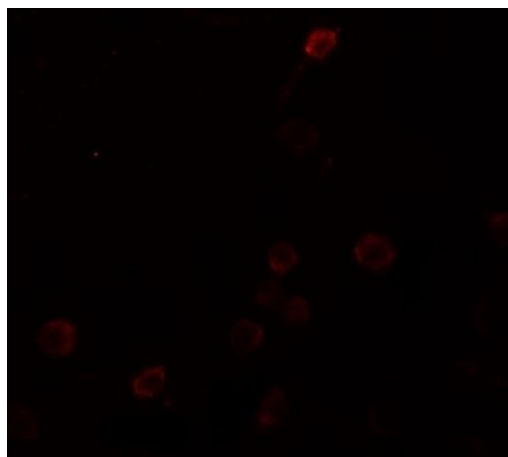
Formulation

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

**Immunofluorescence Microscopy**

Immunofluorescence of SEPT1.

Cell: Raji cells.

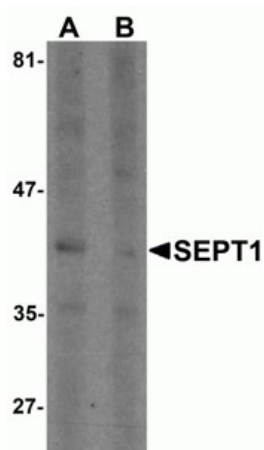
Primary Antibody: SEPT1 antibody at 20 µg/mL.

**Immunocytochemistry**

Immunocytochemistry of SEPT1.

Cell: Raji cells.

Primary Antibody: SEPT1 antibody at 5 µg/mL.

**Western Blot**

Western blot analysis of SEPT1.

Load: Raji cell lysate.

Primary Antibody: SEPT1 antibody at 1 µg/ml in (A) the absence and (B) the presence of blocking peptide.

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.