

Datasheet for 600-401-EE6**SCRN1 Antibody****Overview**

Description:	Anti-SCRN1 (RABBIT) Antibody - 600-401-EE6
Item No.:	600-401-EE6
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	SCRN1 was first identified as a cytosolic protein that is involved in the regulation of exocytosis from peritoneal mast cells. More recent studies have shown that SCRN1 expression is upregulated in gastric cancer cell lines and may possess epitopes that could function as tumor-associated antigens, potentially providing targets for cancer vaccines in the treatment of gastric cancers. Another report indicates that decreased expression of SCRN1 via RNAi expression resulted in significantly lower rates of cell growth in colorectal cancer cell lines, and increased SCRN1 expression in patients with colorectal cancer correlated with poor prognosis, suggesting that SCRN1 may also be involved in the regulation of cell growth and might be useful as a prognostic tool.
Synonyms:	SCRN1 Antibody, SES1, KIAA0193, Secernin-1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	SCRN1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-SCRN1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 20 amino acid synthetic peptide near the C-terminus of human SCRN1.

Purity/Specificity: Anti-SCRN1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with SCRN1 from other sources has not been determined.

Relevant Links:

- [UniProtKB - Q12765](#)
- [GeneID - 9805](#)
- [NCBI - NP_001138985](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-SCRN1 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 46 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: 20 µg/mL

IHC: 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

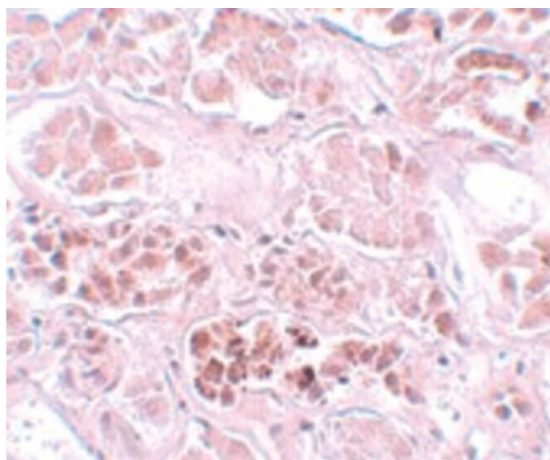
Shipping & Handling

Shipping Condition: Dry Ice

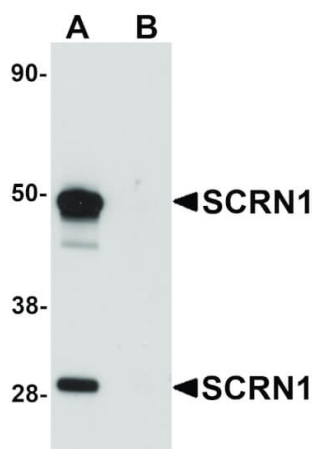
Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted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

Expiration:

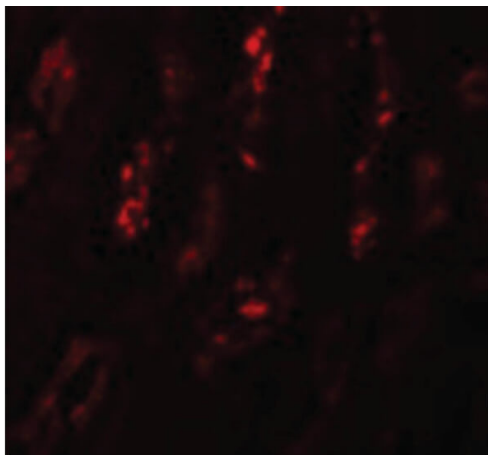
Expiration date is one (1) year from date of receipt.

Images**Immunohistochemistry**

Immunohistochemistry of SCRIN1 antibody. Tissue: Human kidney tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: SCRIN1 antibody at 5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: SCRIN1 is cytoplasmic. Staining: SCRIN1 as precipitated pink signal with blue nuclear counterstain.

**Western Blot**

Western Blot of SCRIN1 antibody. Lane 1: Human kidney tissue lysate in the absence of blocking peptide. Lane 2: Human kidney tissue lysate in the presence of blocking peptide. Primary Antibody: with SCRIN1 antibody at 1 µg/mL. 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: 46 kDa, 49 kDa for SCRIN1. Other band(s): SCRIN1 splice variants and isoforms.

**Immunofluorescence Microscopy**

Immunofluorescence Microscopy of SCR1 antibody.

Tissue: Human kidney cells. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: SCR1 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.

Localization: SCR1 is cytoplasmic. Staining: SCR1 as red fluorescent signal.

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.