

Datasheet for 600-401-EG8**SESTD1 Antibody****Overview**

Description:	Anti-SESTD1 (RABBIT) Antibody - 600-401-EG8
Item No.:	600-401-EG8
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	SESTD1 was initially identified in mutant zebrafish with defects in the spontaneous contraction and touch response as a novel gene, solo, encoding a protein containing SEC14 and spectrin repeat domains. Other experiments indicated that SESTD1 interacts with the TRPC4 and TRPC5, members of the transient receptor potential channel family, via the TRPC calmodulin- and inositol 1, 4, 5-triphosphate receptor-binding domain and is essential for efficient receptor-mediated activation of TRPC5, suggesting that SESTD1 is a novel regulator of these TRPC proteins.
Synonyms:	SESTD1 Antibody, SOLO, SOLO, SEC14 domain and spectrin repeat-containing protein 1, Huntingtin-interacting protein-like protein
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	SESTD1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-SESTD1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 15 amino acid synthetic peptide near the C-terminus of human SESTD1.

Purity/Specificity: Anti-SESTD1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with SESTD1 from other sources has not been determined.

Relevant Links:

- [UniProtKB - Q86VW0](#)
- [GeneID - 91404](#)
- [NCBI - NP_835224](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-SESTD1 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 79 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

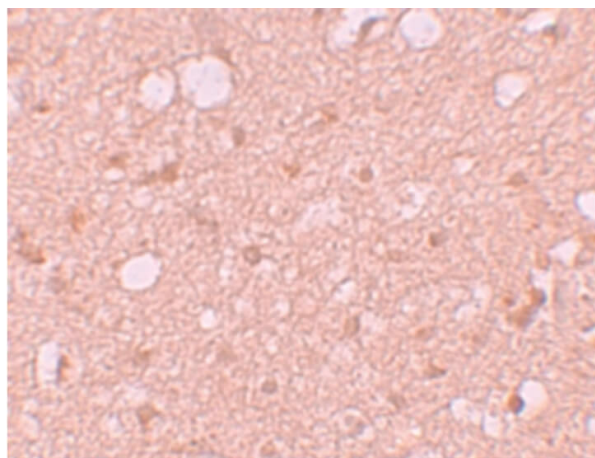
Shipping & Handling

Shipping Condition: Dry Ice

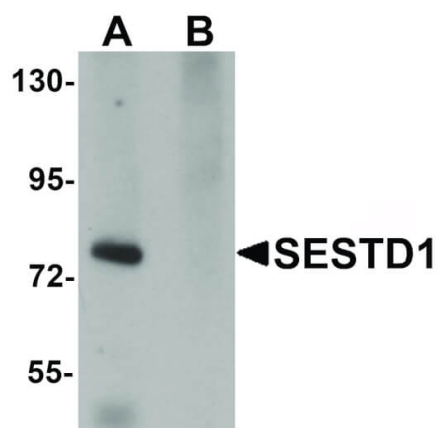
Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted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

Expiration:

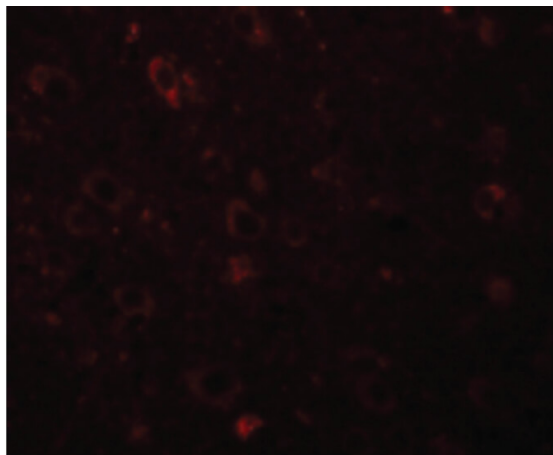
Expiration date is one (1) year from date of receipt.

Images**Immunohistochemistry**

Immunohistochemistry of SESTD1 antibody. Tissue: Human brain tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: SESTD1 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. Staining: SESTD1 as precipitated pink signal with brown nuclear counterstain.

**Western Blot**

Western Blot of SESTD1 antibody. Lane 1: Rat brain tissue lysate in the absence of blocking peptide. Lane 2: Rat brain tissue lysate in the absence of blocking peptide. Primary Antibody: with SESTD1 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: 79 kDa, 79 kDa for SESTD1. Other band(s): SESTD1 splice variants and isoforms.

**Immunofluorescence Microscopy**

Immunofluorescence Microscopy of SESTD1 antibody.

Tissue: rat spleen cells. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: SESTD1 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: SESTD1 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.