

**Datasheet for 600-401-EG5****SEC62 Antibody****Overview**

|                      |                                            |
|----------------------|--------------------------------------------|
| <b>Description:</b>  | Anti-SEC62 (RABBIT) Antibody - 600-401-EG5 |
| <b>Item No.:</b>     | 600-401-EG5                                |
| <b>Size:</b>         | 100 µg                                     |
| <b>Applications:</b> | ELISA, IF, IHC, WB                         |
| <b>Reactivity:</b>   | Human, Mouse, Rat                          |
| <b>Host Species:</b> | Rabbit                                     |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Background:</b>   | SEC62 is an integral membrane protein located in the rough endoplasmic reticulum (ER) and is part of the SEC61-SEC62-SEC63 complex that is the central component of the protein translocation apparatus of the ER membrane. It is speculated that SEC61-SEC62-SEC63 may perform post-translational protein translocation into the ER and might also perform the backward transport of ER proteins that are subject to the ubiquitin-proteasome-dependent degradation pathway. Silencing of this gene with RNAi dramatically reduced the migration and invasive potential of numerous tumor cell lines, suggesting that it may be an attractive target for therapy of various tumors. |
| <b>Synonyms:</b>     | SEC62 Antibody, HTP1, TP-1, Dtrp1, TLOC1, Translocation protein SEC62, Translocation protein 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Host Species:</b> | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Format:</b>       | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

**Target Details**

|                        |                                                                                                                                                                         |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name:</b>      | SEC62                                                                                                                                                                   |
| <b>Reactivity:</b>     | Human, Mouse, Rat                                                                                                                                                       |
| <b>Immunogen Type:</b> | Conjugated Peptide                                                                                                                                                      |
| <b>Immunogen:</b>      | Anti-SEC62 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid synthetic peptide near the C-terminus of human SEC62. |

**Purity/Specificity:** Anti-SEC62 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. SEC62 antibody is predicted to not cross-react with other SEC proteins. Multiple isoforms of SEC62 are known to exist.

**Relevant Links:**

- [UniProtKB - Q99442](#)
- [GeneID - 7095](#)
- [NCBI - NP\\_003253](#)

## Application Details

**Tested Applications:** ELISA, IF, IHC, WB

**Application Note:** Anti-SEC62 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:** 1:5,000 - 1:10,000

**IF:** 20 µg/mL

**IHC:** 5 µg/mL

**WB:** .5-1 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

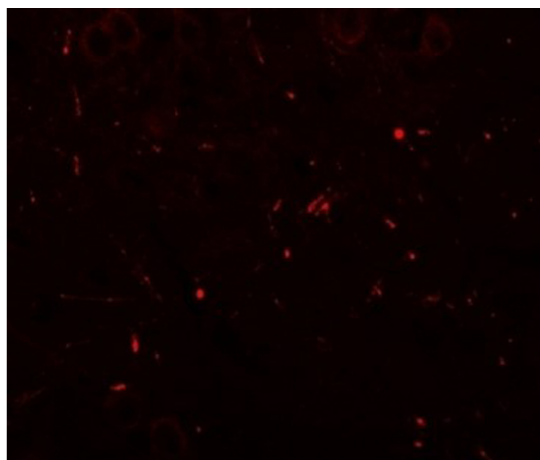
## Shipping & Handling

**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.

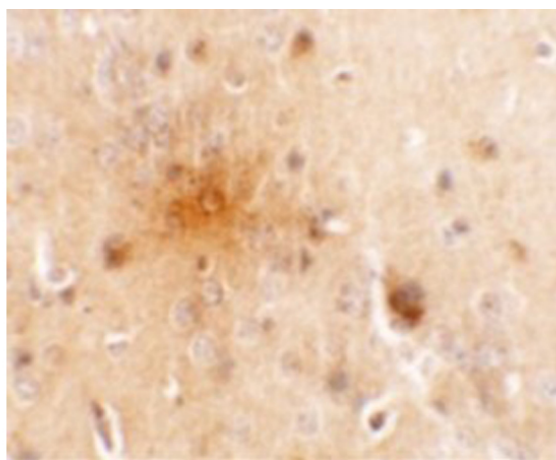
**Expiration:**

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

**Images****Immunofluorescence Microscopy**

Immunofluorescence of SEC62.

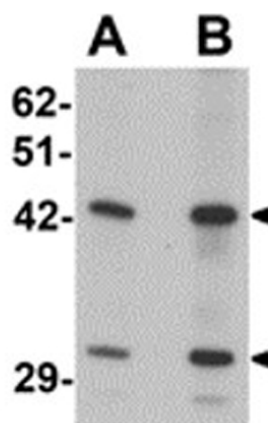
Tissue: mouse brain tissue. Primary Antibody: SEC62 antibody at 20 µg/mL.

**Immunohistochemistry**

Immunohistochemistry of SEC62.

Tissue: mouse brain tissue.

Primary Antibody: SEC62 antibody at 5 µg/mL.

**Western Blot**

Western blot analysis of SEC62.

Load: rat brain tissue lysate.

Primary Antibody: SEC62 antibody at (A) 0.5 µg/mL and (B) 1 µg/mL.

**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.