

## Datasheet for ABIN6991578 **anti-SEC62 antibody (C-Term)**



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### Overview

|                      |                                                                                                                    |
|----------------------|--------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 0.1 mg                                                                                                             |
| Target:              | SEC62 (TLOC1)                                                                                                      |
| Binding Specificity: | AA 270-320, C-Term                                                                                                 |
| Reactivity:          | Human, Mouse, Rat                                                                                                  |
| Host:                | Rabbit                                                                                                             |
| Clonality:           | Polyclonal                                                                                                         |
| Conjugate:           | This SEC62 antibody is un-conjugated                                                                               |
| Application:         | Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF) |

### Product Details

|               |                                                                                                                                                                                |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:    | SEC62 antibody was raised against an 18 amino acid synthetic peptide near the carboxy terminus of human SEC62. The immunogen is located within amino acids 270 - 320 of SEC62. |
| Isotype:      | IgG                                                                                                                                                                            |
| Specificity:  | SEC62 antibody is predicted to not cross-react with other SEC proteins. Multiple isoforms of SEC62 are known to exist.                                                         |
| Purification: | SEC62 Antibody is affinity chromatography purified via peptide column.                                                                                                         |

### Target Details

|                   |                                          |
|-------------------|------------------------------------------|
| Target:           | SEC62 (TLOC1)                            |
| Alternative Name: | SEC62 ( <a href="#">TLOC1 Products</a> ) |

## Target Details

**Background:** SEC62 Antibody: 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.

**Gene ID:** 7095

**NCBI Accession:** [NP\\_003253](#)

**UniProt:** [Q99442](#)

## Application Details

**Application Notes:** SEC62 antibody can be used for detection of SEC62 by Western blot at 0.5 - 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL.

Antibody validated: Western Blot in rat samples, Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested.

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Concentration:** 1 mg/mL

**Buffer:** SEC62 Antibody is supplied in PBS containing 0.02 % sodium azide.

**Preservative:** Sodium azide

**Precaution of Use:** This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

**Storage:** -20 °C, 4 °C

**Storage Comment:** SEC62 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should

not be exposed to prolonged high temperatures.