

SEC62 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP12850a**Specification**

SEC62 Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [Q99442](#)**SEC62 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 7095**Other Names**

Translocation protein SEC62, Translocation protein 1, TP-1, hTP-1, SEC62, TLOC1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SEC62 Antibody (N-term) Blocking peptide - Protein Information**Name** SEC62**Synonyms** TLOC1**Function**

Mediates post-translational transport of precursor polypeptides across endoplasmic reticulum (ER). Proposed to act as a targeting receptor for small presecretory proteins containing short and apolar signal peptides. Targets and properly positions newly synthesized presecretory proteins into the SEC61 channel-forming translocon complex, triggering channel opening for polypeptide translocation to the ER lumen.

Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein

SEC62 Antibody (N-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

SEC62 Antibody (N-term) Blocking peptide - Images**SEC62 Antibody (N-term) Blocking peptide - Background**

The Sec61 complex is the central component of the protein translocation apparatus of the endoplasmic reticulum (ER) membrane. The protein encoded by this gene and SEC63 protein are found to be associated with ribosome-free SEC61 complex. It is speculated that Sec61-Sec62-Sec63 may perform post-translational protein translocation into the ER. The Sec61-Sec62-Sec63 complex might also perform the backward transport of ER proteins that are subject to the ubiquitin-proteasome-dependent degradation pathway. The encoded protein is an integral membrane protein located in the rough ER.

SEC62 Antibody (N-term) Blocking peptide - References

Olsen, J.V., et al. Cell 127(3):635-648(2006) Olsen, J.V., et al. Cell 127(3):635-648(2006) Lim, J., et al. Cell 125(4):801-814(2006) Jung, V., et al. Mol. Cancer Res. 4(3):169-176(2006) Meyer, H.A., et al. J. Biol. Chem. 275(19):14550-14557(2000)