

**SRP68 Antibody (Center) Blocking peptide**  
Synthetic peptide  
Catalog # BP13379c

**Specification**

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**SRP68 Antibody (Center) Blocking peptide - Product Information**

Primary Accession [O9UHB9](#)

**SRP68 Antibody (Center) Blocking peptide - Additional Information**

Gene ID 6730

**Other Names**

Signal recognition particle subunit SRP68, SRP68, Signal recognition particle 68 kDa protein, SRP68

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody AP13379c was selected from the Center region of SRP68. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

**SRP68 Antibody (Center) Blocking peptide - Protein Information**

Name SRP68

**Function**

Component of the signal recognition particle (SRP) complex, a ribonucleoprotein complex that mediates the cotranslational targeting of secretory and membrane proteins to the endoplasmic reticulum (ER) (PubMed: <http://www.uniprot.org/citations/34020957> target="\_blank">34020957</a>). The SRP complex interacts with the signal sequence in nascent secretory and membrane proteins and directs them to the membrane of the ER (PubMed: <http://www.uniprot.org/citations/34020957> target="\_blank">34020957</a>). The SRP complex targets the ribosome-nascent chain complex to the SRP receptor (SR), which is anchored in the ER, where SR compaction and GTPase rearrangement drive cotranslational protein translocation into the ER (PubMed: <http://www.uniprot.org/citations/34020957> target="\_blank">34020957</a>). Binds the signal recognition particle RNA (7SL RNA), SRP72 binds to this complex subsequently (PubMed: <http://www.uniprot.org/citations/16672232> target="\_blank">16672232</a>, PubMed: <http://www.uniprot.org/citations/27899666> target="\_blank">27899666</a>).

target="\_blank">27899666</a>). The SRP complex possibly participates in the elongation arrest function (By similarity).

**Cellular Location**

Cytoplasm. Nucleus, nucleolus. Endoplasmic reticulum

**SRP68 Antibody (Center) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**SRP68 Antibody (Center) Blocking peptide - Images****SRP68 Antibody (Center) Blocking peptide - Background**

The signal recognition particle (SRP) is a ribonucleoprotein complex that transports secreted and membrane proteins to the endoplasmic reticulum for processing. The complex includes a 7S RNA and six protein subunits. This gene encodes the 68kDa component of the SRP. Alternatively spliced transcript variants have been identified, but their biological validity has not been determined. Three related pseudogenes are located within the Smith-Magenis syndrome region on chromosome 17. [provided by RefSeq].

**SRP68 Antibody (Center) Blocking peptide - References**

Yoshida, M., et al. Mol. Pharmacol. 73(3):987-994(2008) Rikova, K., et al. Cell 131(6):1190-1203(2007) Menichelli, E., et al. J. Mol. Biol. 367(1):187-203(2007) Iakhaeva, E., et al. Protein Sci. 15(6):1290-1302(2006) Fortna, A., et al. PLoS Biol. 2 (7), E207 (2004) :