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

Specification

SRP68 Antibody (Center) Blocking peptide - Product Information

Primary Accession Q9UHB9

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:34020957). The SRP complex interacts with the signal sequence in nascent secretory and membrane proteins and directs them to the membrane of the ER (PubMed:34020957). 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:34020957). Binds the signal recognition particle RNA (7SL RNA), SRP72 binds to this complex subsequently (PubMed:16672232, PubMed:<a href="http://www.uniprot.org/citations/27899666"

target="_blank">27899666). 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 aribonucleoprotein complex that transports secreted and membraneproteins to the endoplasmic reticulum for processing. The complexincludes a 7S RNA and six protein subunits. This gene encodes the68kDa component of the SRP. Alternatively spliced transcriptvariants have been identified, but their biological validity hasnot been determined. Three related pseudogenes are located withinthe Smith-Magenis syndrome region on chromosome 17. [provided byRefSeq].

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)Iakhiaeva, E., et al. Protein Sci. 15(6):1290-1302(2006)Fortna, A., et al. PLoS Biol. 2 (7), E207 (2004) :