

SRPR Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP17610b**Specification**

SRPR Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [P08240](#)**SRPR Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 6734**Other Names**

Signal recognition particle receptor subunit alpha, SR-alpha, Docking protein alpha, DP-alpha, SRPR

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.

SRPR Antibody (C-term) Blocking Peptide - Protein Information**Name** SRPRA ([HGNC:11307](#))**Synonyms** SRPR**Function**

Component of the signal recognition particle (SRP) complex receptor (SR) (PubMed:16439358). Ensures, in conjunction with the SRP complex, the correct targeting of the nascent secretory proteins to the endoplasmic reticulum membrane system (PubMed:16675701, PubMed:34020957). Forms a guanosine 5'-triphosphate (GTP)-dependent complex with the SRP subunit SRP54 (PubMed:34020957). SRP receptor compaction and GTPase rearrangement drive SRP-mediated cotranslational protein translocation into the ER (PubMed:34020957).

Cellular Location

Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:P32916}; Peripheral membrane protein {ECO:0000250|UniProtKB:P32916}; Cytoplasmic side {ECO:0000250|UniProtKB:P32916}.

Note=Thought to be anchored in the membrane through an interaction with SR-beta, which contains a bona fide transmembrane domain. {ECO:0000250|UniProtKB:P32916}

SRPR Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SRPR Antibody (C-term) Blocking Peptide - Images

SRPR Antibody (C-term) Blocking Peptide - Background

The gene encodes a subunit of the endoplasmic reticulum signal recognition particle receptor that, in conjunction with the signal recognition particle, is involved in the targeting and translocation of signal sequence tagged secretory and membrane proteins across the endoplasmic reticulum. Alternative splicing results in multiple transcript variants.

SRPR Antibody (C-term) Blocking Peptide - References

Janin, N., et al. Hum. Genet. 88(5):583-585(1992) Hortsch, M., et al. Biochem. Biophys. Res. Commun. 150(1):111-117(1988) Hortsch, M., et al. Nucleic Acids Res. 16(1):361-362(1988) Tajima, S., et al. J. Cell Biol. 103(4):1167-1178(1986)