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SRPR Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17610B

Specification

SRPR Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	P08240
Other Accession	Q3MHE8, NP_001171313.1
Reactivity	**Human**
Predicted	**Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**69811**
Antigen Region	**453-480**

SRPR Antibody (C-term) - Additional Information

Gene ID 6734

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

Target/Specificity
This SRPR antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 453-480 amino acids from the C-terminal region of human SRPR.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
SRPR Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

SRPR Antibody (C-term) - 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).

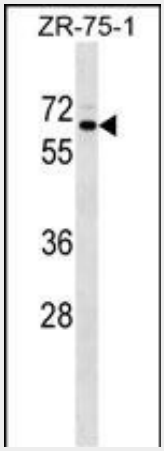
Cellular Location
Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:P32916}; Peripheral membrane protein {ECO:0000250|UniProtKB:P32916}; Cytoplasmic side {ECO:0000250|UniProtKB:P32916}. Note=Thought to be anchored in the membrane through an interaction with SR-beta, which contains a bona fide transmembrane domain. {ECO:0000250|UniProtKB:P32916}

SRPR Antibody (C-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SRPR Antibody (C-term) - Images



SRPR Antibody (C-term) (Cat. #AP17610b) western blot analysis in ZR-75-1 cell line lysates (35ug/lane).This demonstrates the SRPR antibody detected the SRPR protein (arrow).

SRPR Antibody (C-term) - 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) - 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)