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SSR4 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP16417c

Specification

SSR4 Antibody (Center) Blocking Peptide - Product Information

Primary Accession P51571

SSR4 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 6748

Other Names
Translocon-associated protein subunit delta, TRAP-delta, Signal sequence receptor subunit delta, SSR-delta, SSR4, TRAPD

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.

SSR4 Antibody (Center) Blocking Peptide - Protein Information

Name SSR4

Synonyms TRAPD

Function
TRAP proteins are part of a complex whose function is to bind calcium to the ER membrane and thereby regulate the retention of ER resident proteins.

Cellular Location
Endoplasmic reticulum membrane; Single-pass type I membrane protein

SSR4 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

SSR4 Antibody (Center) Blocking Peptide - Images

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SSR4 Antibody (Center) Blocking Peptide - Background

SSR4, also called TRAPD, is assumed to be involved inprotein secretion. It is located in the Xq28 region, arranged in acompact head-to-head manner with the IDH3G gene. These two genesare driven by a bidirectional promoter located between them, andencode proteins involved in unrelated biochemical pathways locatedin different compartments of the cell. The nontranscribedintergenic region represents only 133 bp and is embedded in a CpGisland. The CpG island functions as a bidirectional promoter toinitiate the transcription of both functionally unrelated geneswith distinct expression patterns. SSR4 consists of six exons andis approximately 70 kb telomeric to the ALD gene. Althoughalternative splicing of exon 5 has not been detected in human SSR4,transcript variants missing the region homologous to human exon 5have been detected in both Xenopus laevis and Mus musculus.

SSR4 Antibody (Center) Blocking Peptide - References

Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :Wang, Z., et al. Melanoma Res. 14(2):107-114(2004)Miyazaki, K., et al. J. Biol. Chem. 279(12):11327-11335(2004)Wang, L., et al. FEBS Lett. 457(3):316-322(1999)Dodson, G., et al. Curr. Opin. Struct. Biol. 8(2):189-194(1998)