

SSR4 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16417C**Specification**

SSR4 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	P51571
Other Accession	NP_006271.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	18999
Antigen Region	98-126

SSR4 Antibody (Center) - Additional Information**Gene ID** 6748**Other Names**

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

Target/Specificity

This SSR4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 98-126 amino acids from the Central region of human SSR4.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

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

SSR4 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

SSR4 Antibody (Center) - 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.

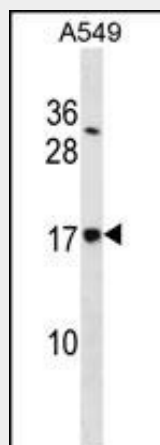
Cellular Location

Endoplasmic reticulum membrane; Single-pass type I membrane protein

SSR4 Antibody (Center) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SSR4 Antibody (Center) - Images

SSR4 Antibody (Center) (Cat. #AP16417c) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the SSR4 antibody detected the SSR4 protein (arrow).

SSR4 Antibody (Center) - Background

SSR4, also called TRAPD, is assumed to be involved in protein secretion. It is located in the Xq28 region, arranged in a compact head-to-head manner with the IDH3G gene. These two genes are driven by a bidirectional promoter located between them, and encode proteins involved in unrelated biochemical pathways located in different compartments of the cell. The nontranscribed intergenic region represents only 133 bp and is embedded in a CpG island. The CpG island functions as a bidirectional promoter to initiate the transcription of both functionally unrelated genes with distinct expression patterns. SSR4 consists of six exons and is approximately 70 kb telomeric to the ALD gene. Although alternative splicing of exon 5 has not been detected in human SSR4,

transcript variants missing the region homologous to human exon 5 have been detected in both *Xenopus laevis* and *Mus musculus*.

SSR4 Antibody (Center) - 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)