

Human SSR4 antibody

Catalog Number: ATGA0286

PRODUCT INFORMATION

Catalog number

ATGA0286

Clone No.

AT26G5

Product type

Monoclonal Antibody

UnitProt No.

P51571

NCBI Accession No.

NP_006271

Alternative Names

Translocon-associated protein subunit delta, TRAPD

PRODUCT SPECIFICATION

Antibody Host

Mouse

Reacts With

Human

Concentration

1mg/ml (determined by BCA assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

Immunogen

Recombinant human SSR4 (24-144aa) purified from E. coli

Isotype

IgG1 kappa

Purification Note

By protein-A affinity chromatography

Application

ELISA, WB

Usage

The antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

Storage

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Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

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*.

General References

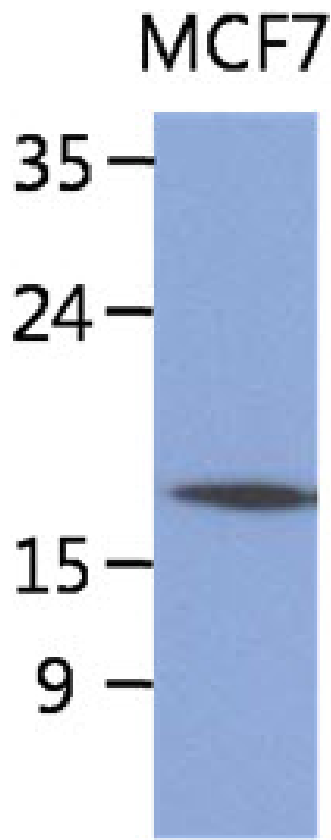
Brenner V., et al. (1997) *Genomics* 44 (1): 8-14.
Holthuis JC., et al. (1996) *J Biol Chem* 312 (Pt 1) (Pt 1): 205-13.
Entrez Gene: SSR4 signal sequence receptor, delta.

DATA

Western blot analysis (WB)

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The cell lysate of MCF7 (40ug) was resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human SSR4 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.