

# TRAPA/SSR1 Polyclonal antibody

Catalog Number: 10583-1-AP

9 Publications

## Basic Information

## Catalog Number:

10583-1-AP

## Size:

300 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG0878

## GenBank Accession Number:

BC007710

## GeneID (NCBI):

6745

## UNIPROT ID:

P43307

## Full Name:

signal sequence receptor, alpha

## Calculated MW:

34 kDa

## Observed MW:

34 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:2000-1:10000

IHC 1:50-1:500

IF/ICC 1:50-1:500

## Applications

## Tested Applications:

WB, IHC, IF/ICC, ELISA

## Cited Applications:

WB, IHC, IF

## Species Specificity:

human, mouse, monkey

## Cited Species:

human, rat, monkey

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Positive Controls:

**WB** : COS-7 cells, HepG2 cells, human liver tissue, mouse liver tissue, L02 cells

**IHC** : human ovary tumor tissue, human lung tissue

**IF/ICC** : HEK-293 cells,

## Background Information

TRAPA (translocon-associated protein subunit alpha), also known as SSR1 (signal sequence receptor subunit alpha), is a 34-kDa single-spanning membrane glycoprotein of the endoplasmic reticulum (ER) (PMID: 8050590). It is a part of the tetrameric TRAP complex (TRAP-alpha, TRAP-beta, TRAP-delta and TRAP-gamma) which functions in regulating the retention of ER resident proteins (PMID: 7916687). The TRAP complex is also involved in endoplasmic reticulum-associated degradation (ERAD) (PMID: 17380188).

## Notable Publications

Author	Pubmed ID	Journal	Application
S Orvokki Mattila	34042202	FASEB J	WB
Pengli Zheng	30030520	Cell Res	WB
Chatchai Phoomak	33523898	Sci Adv	WB

## Storage

## Storage:

Store at -20°C. Stable for one year after shipment.

## Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

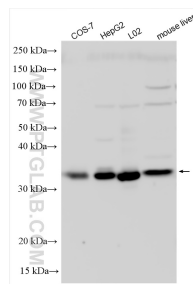
For technical support and original validation data for this product please contact:

T: 4006900926

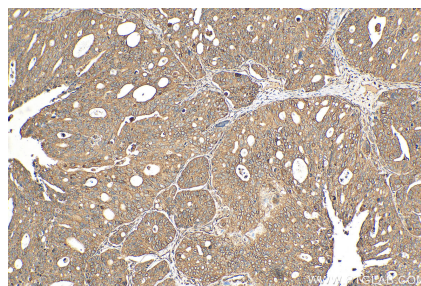
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

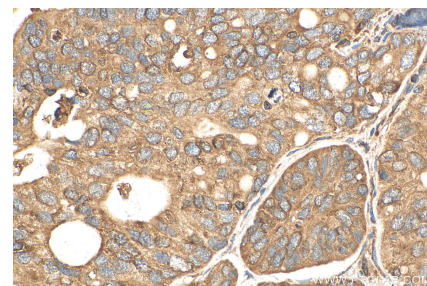
## Selected Validation Data



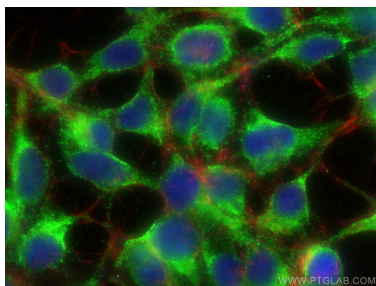
Various lysates were subjected to SDS PAGE followed by western blot with 10583-1-AP (TRAPA/SSR1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 10583-1-AP (TRAPA/SSR1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 10583-1-AP (TRAPA/SSR1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using TRAPA/SSR1 antibody (10583-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).