

For Research Use Only

TRAPB/SSR2 Polyclonal antibody

Catalog Number: 10278-1-AP

Featured Product

9 Publications



Basic Information

Catalog Number:

10278-1-AP

Size:

150ul, Concentration: 300 ug/ml by Nanodrop and 287 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0304

GenBank Accession Number:

BC000341

GeneID (NCBI):

6746

UNIPROT ID:

P43308

Full Name:

signal sequence receptor, beta (translocon-associated protein beta)

Calculated MW:

20 kDa

Observed MW:

22-25 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:8000

IHC 1:20-1:200

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IP

Species Specificity:

human, mouse, rat

Cited Species:

human, rat

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: HepG2 cells, L02 cells, mouse liver tissue, rat liver tissue

IHC: human breast cancer tissue, human pancreas tissue

IF/ICC: HepG2 cells,

Background Information

TRAPB (translocon-associated protein subunit beta), also known as SSR2 (signal sequence receptor subunit beta), is a 22-kDa single-spanning membrane glycoprotein of the endoplasmic reticulum (ER) (PMID: 7789174). 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
Xianyan Hu	32645369	Mol Cell	WB
Zhibin Liao	33485374	J Exp Clin Cancer 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

*** 20ul sizes contain 0.1% BSA

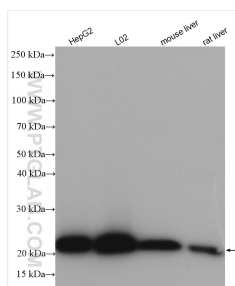
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

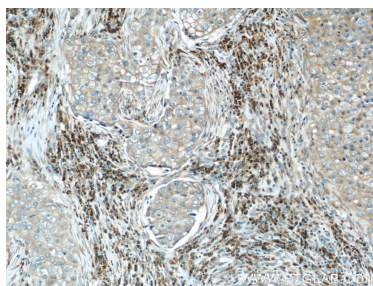
E: proteintech@ptglab.com
W: ptglab.com

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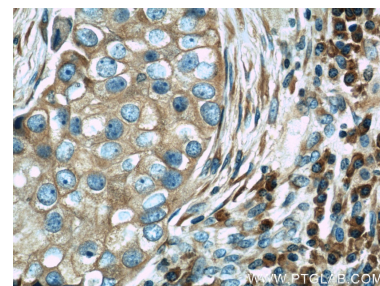
Selected Validation Data



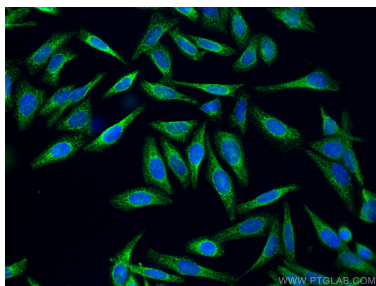
Various lysates were subjected to SDS PAGE followed by western blot with 10278-1-AP (TRAPB/SSR2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer using 10278-1-AP (TRAPB/SSR2 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human breast cancer using 10278-1-AP (TRAPB/SSR2 antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using TRAPB/SSR2 antibody (10278-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).