

For Research Use Only

PSMC2 Polyclonal antibody

Catalog Number: 14905-1-AP

Featured Product

12 Publications



Basic Information

Catalog Number:

14905-1-AP

Size:

600 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6700

GenBank Accession Number:

BC002589

GeneID (NCBI):

5701

UNIPROT ID:

P35998

Full Name:

proteasome (prosome, macropain)

26S subunit, ATPase, 2

Calculated MW:

49 kDa

Observed MW:

49 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB, IHC, CoIP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, 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 : mouse liver tissue, mouse spleen tissue, human adrenal gland tissue

IP : mouse spleen tissue,

IHC : human breast cancer tissue,

Background Information

PSMC2 is also named as MSS1 and belongs to the AAA ATPase family. PSMC2 is 1 of 6 putative ATPases contained within the regulatory complex. PSMC2 is first identified as a possible cellular factor that cooperates with the human immunodeficiency virus-1 (HIV-1) protein Tat, a potent activator of virus gene expression. The PSMC2 gene product works in association with the small subunit of mitoribosomes and seems to play some part in mitochondrial translation (PMID:8392589).

Notable Publications

Author	Pubmed ID	Journal	Application
Bin Zhou	33625534	Calcif Tissue Int	IHC, WB
Yushen Su	33732365	Oncol Lett	IHC
Kuixiang Chen	29435775	Cardiovasc Drugs Ther	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:

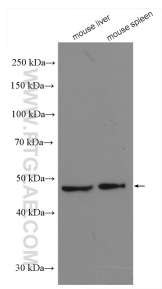
T: 4006900926

E: Proteintech-CN@ptglab.com

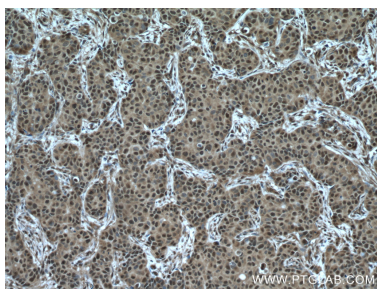
W: ptgcn.com

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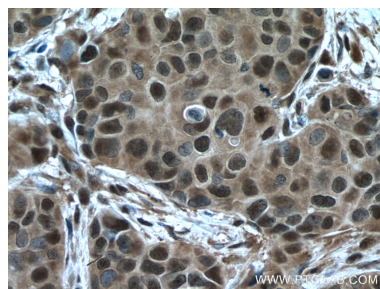
Selected Validation Data



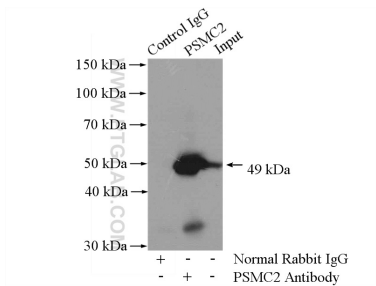
Various lysates were subjected to SDS PAGE followed by western blot with 14905-1-AP (PSMC2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 14905-1-AP (PSMC2 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 breast cancer tissue slide using 14905-1-AP (PSMC2 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-PSMC2 (IP:14905-1-AP, 4ug; Detection:14905-1-AP 1:500) with mouse spleen tissue lysate 4800ug.