

For Research Use Only

PSMC2 Polyclonal antibody

Catalog Number: 14905-1-AP

Featured Product

9 Publications



Basic Information

Catalog Number: 14905-1-AP	GenBank Accession Number: BC002589	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 600 µg/ml by Nanodrop and 233 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5701	Recommended Dilutions: WB 1:1000-1:4000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500
Source: Rabbit	Full Name: proteasome (prosome, macropain) 26S subunit, ATPase, 2	
Isotype: IgG	Calculated MW: 49 kDa	
Immunogen Catalog Number: AG6700	Observed MW: 49 kDa	

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

IHC, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, rat, mouse

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

*** 20ul sizes contain 0.1% BSA

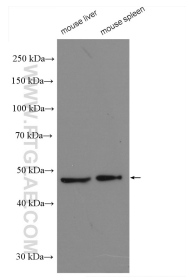
For technical support and original validation data for this product please contact:

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

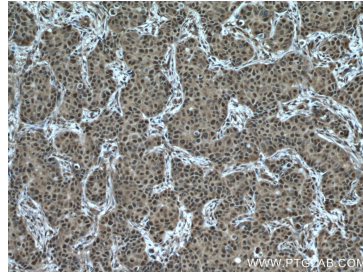
E: proteintech@ptglab.com
W: ptglab.com

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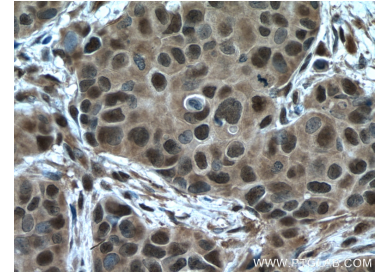
Selected Validation Data



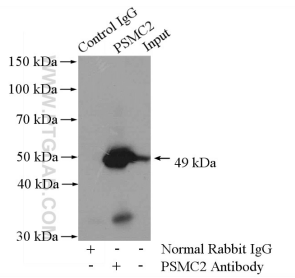
Various lysates were subjected to SDS PAGE followed by western blot with 14905-1-AP (PSMC2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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.