

For Research Use Only

PSMC4 Polyclonal antibody

Catalog Number: 11389-1-AP

5 Publications



Basic Information

Catalog Number: 11389-1-AP	GenBank Accession Number: BC014488	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 550 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5704	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: P43686	IHC 1:50-1:500
Isotype: IgG	Full Name: proteasome (prosome, macropain)	IF/ICC 1:200-1:800
Immunogen Catalog Number: AG1943	Calculated MW: 418 aa, 47 kDa	
	Observed MW: 43-50 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Cited Applications: WB, IHC, IF	WB : mouse brain tissue, rat brain tissue
Species Specificity: human, mouse, rat	IHC : human colon cancer tissue,
Cited Species: human, mouse, rat	IF/ICC : SH-SY5Y cells, HepG2 cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

PSMC4(proteasome (prosome, macropain) 26S subunit, ATPase, 4) is also named as TBP7, S6, TBP7, MIP224 and belongs to the AAA ATPase family. The 26S protease is involved in the ATP-dependent degradation of ubiquitinated proteins. The predicted 458-amino acid TBP7 protein is 57% identical to TBP1 and they can form heterodimers(PMID:8419915).

Notable Publications

Author	Pubmed ID	Journal	Application
Indrajit Sahu	34702852	Nat Commun	WB
Ling Lin	34836374	Nutrients	WB
Lien Nguyen	31831332	Neuron	IF

Storage

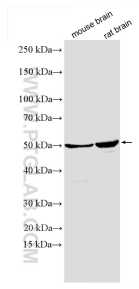
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

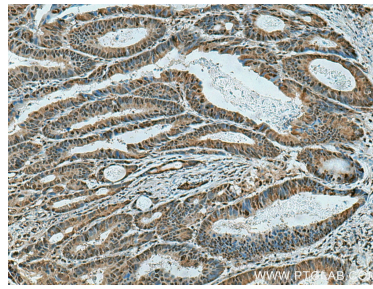
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



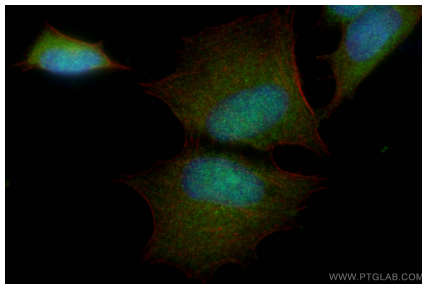
Various lysates were subjected to SDS PAGE followed by western blot with 11389-1-AP (PSMC4 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 11389-1-AP (PSMC4 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of HepG2 cells, using PSMC4 antibody 11389-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



Immunofluorescent analysis of (-20°C Ethanol) fixed SH-SY5Y cells using PSMC4 antibody (11389-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).