

For Research Use Only

PSMC4 Polyclonal antibody

Catalog Number: 11389-1-AP 2 Publications



Basic Information

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|--|--|---|
| Catalog Number: 11389-1-AP | GenBank Accession Number: BC014488 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 550 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 5704 | Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500 IF 1:10-1:100 |
| Source: Rabbit | Full Name: proteasome (prosome, macropain) 26S subunit, ATPase, 4 | |
| Isotype: IgG | Calculated MW: 418 aa, 47 kDa | |
| Immunogen Catalog Number: AG1943 | Observed MW: 43-50 kDa | |

Applications

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|--|---|
| Tested Applications: IF, IHC, WB, ELISA | Positive Controls: WB : mouse brain tissue, rat brain tissue IHC : human colon cancer tissue, IF : HepG2 cells, |
| Cited Applications: IF, IHC | |
| Species Specificity: human, mouse, rat | |
| Cited Species: human, mouse | |
| 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 |
|----------------|-----------|------------|-------------|
| Lien Nguyen | 31831332 | Neuron | IF |
| Yuan Fuqiang F | 23725357 | Biosci Rep | IHC |

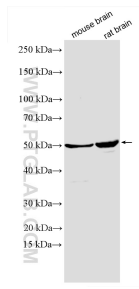
Storage

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

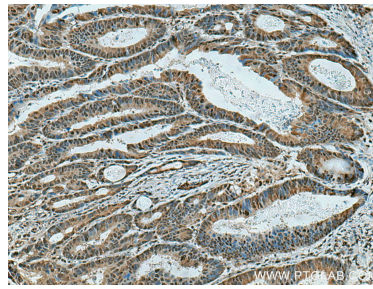
For technical support and original validation data for this product please contact:
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Selected Validation Data



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).