

For Research Use Only

# PSMB10 Polyclonal antibody

Catalog Number: 15976-1-AP

7 Publications



## Basic Information

Catalog Number:

15976-1-AP

Concentration:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8764

GenBank Accession Number:

BC017198

GeneID (NCBI):

5699

UNIPROT ID:

P40306

Full Name:

proteasome (prosome, macropain)  
subunit, beta type, 10

Calculated MW:

273 aa, 29 kDa

Observed MW:

29 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:2000

IHC: 1:50-1:500

## Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human

Cited Species:

human

**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: Raji cells, human liver tissue

IHC: human liver cancer tissue,

## Background Information

The proteasome subunit, beta type 10 (PSMB10) gene regulated by interferon-gamma is a core part of the 26S proteasome complex, which is an important protein degrading system. Study identifies immunosubunit PSMB10 as a novel regulator that contributes to Ang II-induced atrial fibrillation (AF) and suggests that inhibition of PSMB10 may represent a potential therapeutic target for treating hypertensive AF. (PMID: 29507100, PMID: 16965406)

## Notable Publications

Author	Pubmed ID	Journal	Application
Xin Xie	35710020	Biochem Pharmacol	WB
Xin Xie	32595507	Front Pharmacol	WB
Han Gao	36580191	Metab Brain Dis	WB

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

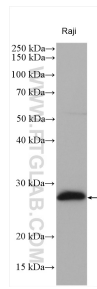
T: 4006900926

E: Proteintech-CN@ptglab.com

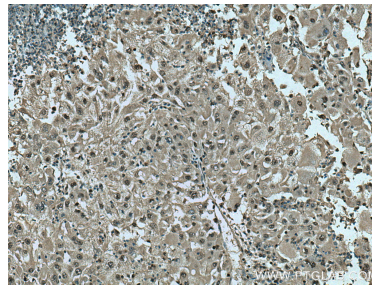
W: ptgcn.com

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## Selected Validation Data



Raji cells were subjected to SDS PAGE followed by western blot with 15976-1-AP (PSMB10 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 15976-1-AP (PSMB10 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).