For Research Use Only

PSMB10 Polyclonal antibody

Catalog Number:15976-1-AP 3 Publications

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Basic Information

Catalog Number:
15976-1-AP

Size:
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:
IHC, WB,ELISA

Cited Applications:
WB

Species Specificity:
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

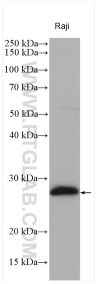
Author	Pubmed ID	Journal	Application
Xin Xie	35710020	Biochem Pharmacol	WB
Xin Xie	32595507	Front Pharmacol	WB
Han Gao	36580191	Metab Brain Dis	WB

Storage

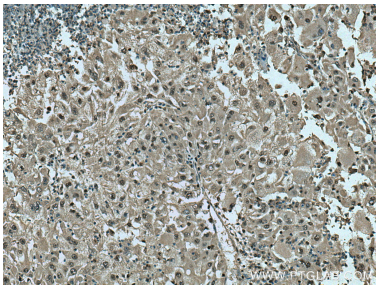
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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).