

For Research Use Only

PSMD3 Polyclonal antibody

Catalog Number: 12054-1-AP **4 Publications**



Basic Information

Catalog Number:

12054-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2684

GenBank Accession Number:

BC012302

GeneID (NCBI):

5709

UNIPROT ID:

O43242

Full Name:

proteasome (prosome, macropain)
26S subunit, non-ATPase, 3

Calculated MW:

534 aa, 61 kDa

Observed MW:

61 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:10000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:250-1:1000

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

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: A549 cells, mouse brain tissue, human kidney tissue, human brain tissue, HEK-293 cells, mouse kidney tissue, rat kidney tissue

IP: mouse kidney tissue,

IHC: human colon cancer tissue, human breast cancer tissue, human small intestine tissue

Background Information

PSMD3, encoding proteasome (prosome, macropain) 26S subunit, non-ATPase 3, a member of the 26S proteasome family. PSMD3 is expressed in most of the tissues according to the RNA-Seq database. It has been reported that PSMD3 genotypes are associated with white blood cell (WBC) and neutrophil counts and have interactions with dietary fatty acids and carbohydrates on glucose-related traits. PSMD3 is located at ch17q21 and encodes a protein with a molecular weight of 61 kDa (PMID: 31013812).

Notable Publications

Author	Pubmed ID	Journal	Application
Isabel Saez	29511261	Sci Rep	WB
Tian-Sheng He	31919392	Cell Death Dis	WB
Yinghao Zhang	24515614	Protein Cell	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:

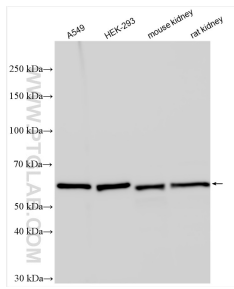
T: 4006900926

E: Proteintech-CN@ptglab.com

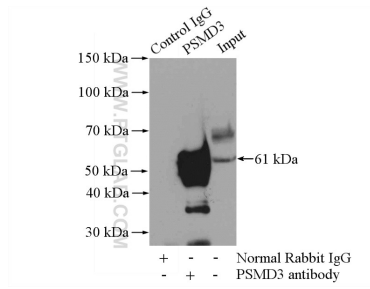
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

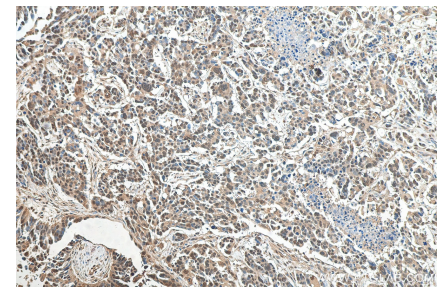
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 12054-1-AP (PSMD3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



IP result of anti-PSMD3 (IP:12054-1-AP, 4ug; Detection:12054-1-AP 1:500) with mouse kidney tissue lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 12054-1-AP (PSMD3 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).