

For Research Use Only

PSMD3 Polyclonal antibody

Catalog Number: 12054-1-AP

4 Publications



Basic Information

Catalog Number:

12054-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

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 ug for 1.0-3.0 mg of total protein lysate

IHC 1:250-1:1000

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

human

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

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

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

*** 20ul sizes contain 0.1% BSA

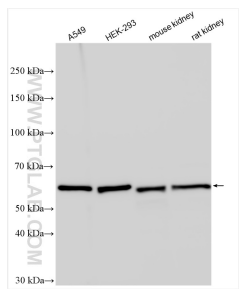
For technical support and original validation data for this product please contact:

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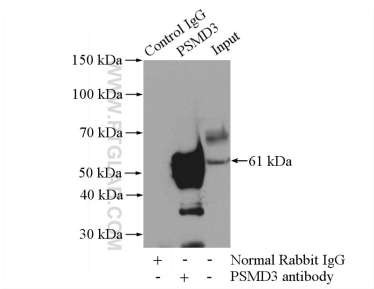
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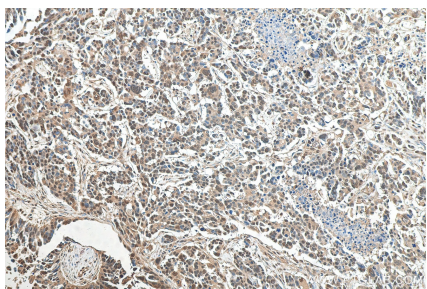
Selected Validation Data



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).