

For Research Use Only

PSMA5 Polyclonal antibody

Catalog Number: 31384-1-AP

Featured Product

1 Publications



Basic Information

Catalog Number:

31384-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG34928

GenBank Accession Number:

BC103751

GeneID (NCBI):

5686

UNIPROT ID:

P28066

Full Name:

proteasome (prosome, macropain) subunit, alpha type, 5

Calculated MW:

241 aa, 26 kDa

Observed MW:

26-30 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB 1:500-1:3000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

human

Positive Controls:

WB : mouse heart tissue, mouse liver tissue, mouse thymus tissue

IF/ICC : U2OS cells,

Background Information

Proteasome subunit alpha type-5(PSMA5) is a component of the 20S core proteasome complex involved in the proteolytic degradation of most intracellular proteins. This complex plays numerous essential roles within the cell by associating with different regulatory particles. It binds to two 19S regulatory particles(RP) to form the 26S proteasome, an ATP-dependent multisubunit protease that degrades polyubiquitinated proteins into small peptides. (PMID: 26661102)

Notable Publications

Author	Pubmed ID	Journal	Application
Wei Liu	39240463	Discov Oncol	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

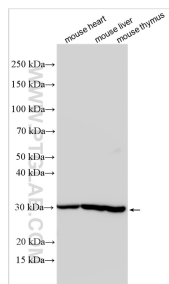
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

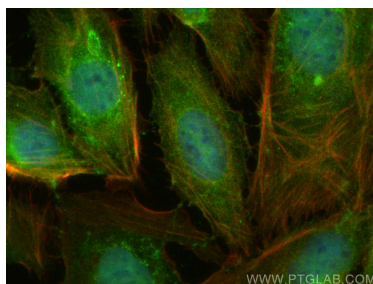
E: proteintech@ptglab.com
W: ptglab.com

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 31384-1-AP (PSMA5 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using PSMA5 antibody (31384-1-AP) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-phalloidin (red).