For Research Use Only

PSMA1 Polyclonal antibody

Catalog Number:11175-1-AP 1 Publications

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Basic Information

Catalog Number:
11175-1-AP

Size:
150ul , Concentration: 200 µg/ml by Nanodrop and 160 µg/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG1660

GenBank Accession Number:
BC015105

GeneID (NCBI):
5682

UNIPROT ID:
P25786

Full Name:
proteasome (prosome, macropain) subunit, alpha type, 1

Calculated MW:
30 kDa

Observed MW:
29-33 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:1000
IHC 1:20-1:200
IF/ICC 1:10-1:100

Applications

Tested Applications:
WB, IF, IHC, ELISA

Cited Applications:
WB

Species Specificity:
human, mouse, rat

Cited Species:
rat

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 : COLO 320 cells, HeLa cells, mouse kidney tissue, PC-3 cells

IHC : human colon cancer tissue,

IF/ICC : PC-3 cells,

Background Information

PSMA1(Proteasome subunit alpha type-1) is also named as HC2, NU, PROS30, PSC2 and belongs to the peptidase T1A family.The proteasome is a multicatalytic proteinase complex which is characterized by its ability to cleave peptides with Arg, Phe, Tyr, Leu, and Glu adjacent to the leaving group at neutral or slightly basic pH.It is induced in breast cancer tissue and up-regulated in liver tumor tissues(PMID:17127214;16317774;17004105).

Notable Publications

Author	Pubmed ID	Journal	Application
Wenjuan Zhang	33919255	Int J Mol Sci	WB

Storage

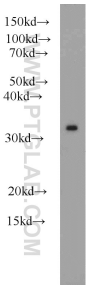
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

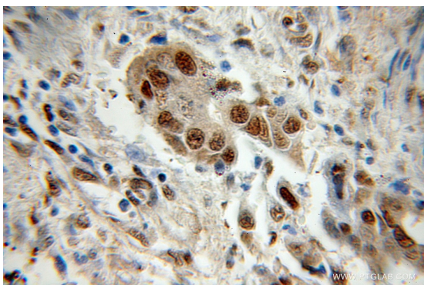
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

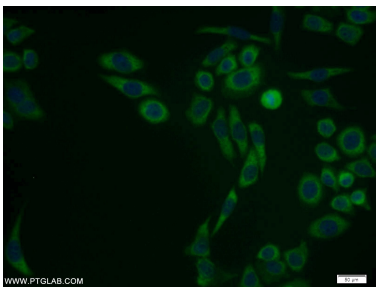
Selected Validation Data



COLO 320 cells were subjected to SDS PAGE followed by western blot with 11175-1-AP (PSMA1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer using 11175-1-AP (PSMA1 antibody) at dilution of 1:50 (under 10x lens).



Immunofluorescent analysis of PC-3 cells using 11175-1-AP (PSMA1 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).