For Research Use Only

PSMA1 Monoclonal antibody

Catalog Number:67910-1-Ig

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
67910-1-Ig

Size:
150ul , Concentration: 500 µg/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG2b

Immunogen Catalog Number:
AG30527

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:
Protein A purification

CloneNo.:
1D1D5

Recommended Dilutions:
WB 1:5000-1:50000
IHC 1:500-1:2000

Applications

Tested Applications:
WB, IHC, ELISA

Species Specificity:
Human, mouse, 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 : LNCaP cells, RAW 264.7 cells, 4T1 cells, Hela cells, HepG2 cells, K-562 cells, Jurkat cells, HSC-T6 cells, NIH/3T3 cells

IHC : human colon cancer tissue,

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).

Storage

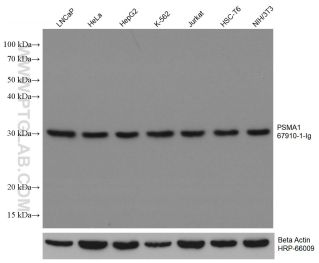
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

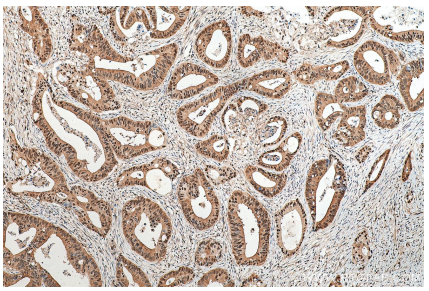
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

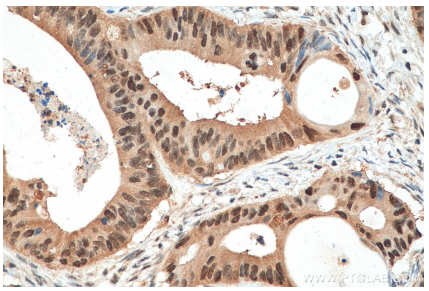
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67910-1-Ig (PSMA1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 67910-1-Ig (PSMA1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 67910-1-Ig (PSMA1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).