

PSMA1 Monoclonal antibody

Catalog Number: 67910-1-Ig

Basic Information

Catalog Number: 67910-1-Ig	GenBank Accession Number: BC015105	Purification Method: Protein A purification
Size: 150ul , Concentration: 500 ug/ml by Nanodrop;	GeneID (NCBI): 5682	CloneNo.: 1D1D5
Source: Mouse	UNIPROT ID: P25786	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:500-1:2000
Isotype: IgG2b	Full Name: proteasome (prosome, macropain) subunit, alpha type, 1	
Immunogen Catalog Number: AG30527	Calculated MW: 30 kDa	
	Observed MW: 29-33 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: Human, mouse, rat	WB : LNCaP cells, RAW 264.7 cells, 4T1 cells, Hela cells, HepG2 cells, K-562 cells, Jurkat cells, HSC-T6 cells, NIH/3T3 cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	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

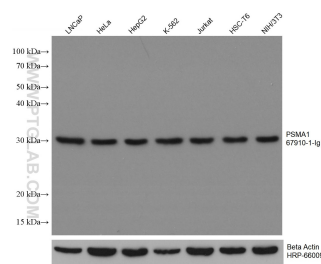
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

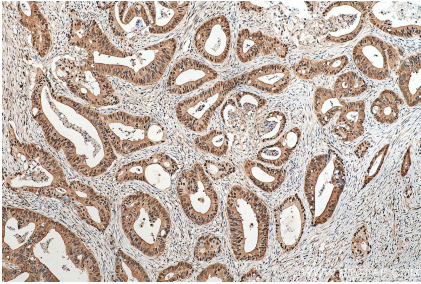
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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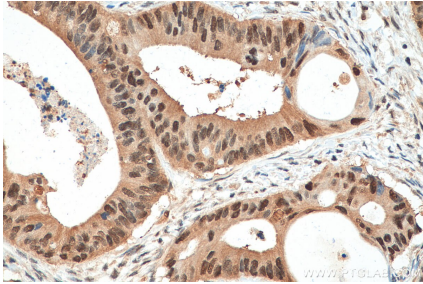
Selected Validation Data



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).