

For Research Use Only

PSMB7 Polyclonal antibody

Catalog Number: 30283-1-AP



Basic Information

Catalog Number: 30283-1-AP	GenBank Accession Number: BC000509	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 550 ug/ml by Nanodrop;	GeneID (NCBI): 5695	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q99436	
Isotype: IgG	Full Name: proteasome (prosome, macropain) subunit, beta type, 7	
Immunogen Catalog Number: AG32201	Calculated MW: 29.9 kDa	
	Observed MW: 28-30 kDa	

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 : HEK-293 cells, MCF-7 cells, HepG2 cells, mouse skeletal muscle tissue, rat skeletal muscle tissue, mouse kidney tissue, rat kidney tissue

IHC : human colon cancer tissue,

Background Information

The proteasome is a multicatalytic proteinase complex with a highly ordered ring-shaped 20S core structure. PSMB7 protein is a member of the proteasome B-type family, also known as the T1B family, and is a 20S core beta subunit in the proteasome. Expression of this catalytic subunit is downregulated by gamma interferon, and proteolytic processing is required to generate a mature subunit. Component of the 20S core proteasome complex are involved in the proteolytic degradation of most intracellular proteins. PSMB7 displays a trypsin-like activity.(PMID:15244466, PMID:27176742, PMID: 8610016)

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

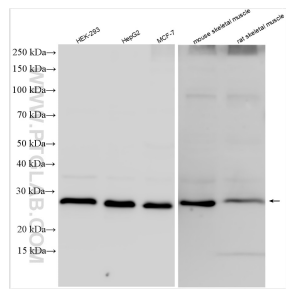
For technical support and original validation data for this product please contact:

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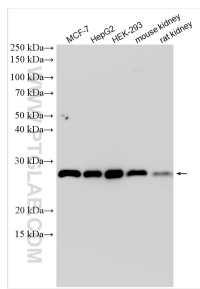
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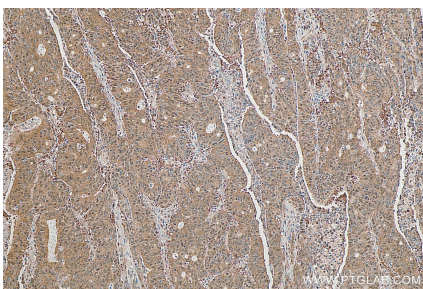
Selected Validation Data



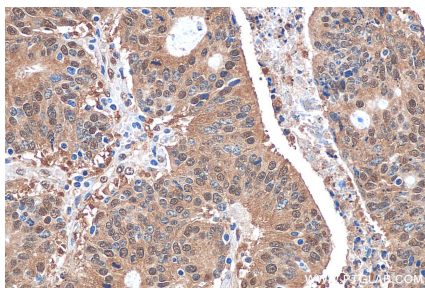
Various lysates were subjected to SDS PAGE followed by western blot with 30283-1-AP (PSMB7 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 30283-1-AP (PSMB7 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 30283-1-AP (PSMB7 antibody) at dilution of 1:200 (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 30283-1-AP (PSMB7 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).