

For Research Use Only

PSMB7 Monoclonal antibody, PBS Only



Catalog Number: 68641-1-PBS

Basic Information

Catalog Number: 68641-1-PBS	GenBank Accession Number: BC000509	Purification Method: Protein G purification
Size: 1mg/ml	GeneID (NCBI): 5695	CloneNo.: 3D7B8
Source: Mouse	UNIPROT ID: Q99436	
Isotype: IgG1	Full Name: proteasome (prosome, macropain) subunit, beta type, 7	
Immunogen Catalog Number: AG6544	Calculated MW: 29.9 kDa	
	Observed MW: 28-30 kDa	

Applications

Tested Applications:
WB, IHC, Indirect ELISA

Species Specificity:
Human, mouse, rat

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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

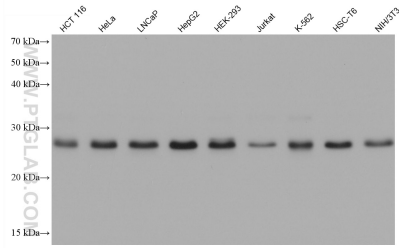
T: 4006900926

E: Proteintech-CN@ptglab.com

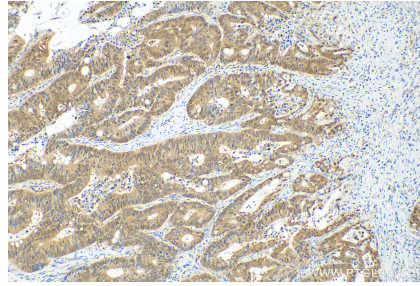
W: ptgcn.com

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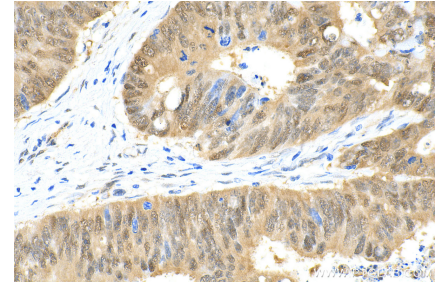
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68641-1-Ig (PSMB7 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68641-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 68641-1-Ig (PSMB7 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68641-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 68641-1-Ig (PSMB7 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68641-1-PBS in a different storage buffer formulation.