For Research Use Only

PSMB8 Monoclonal antibody

Catalog Number:66759-1-lg 2 Publications

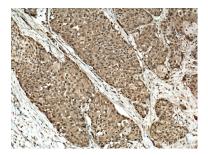


Basic Information	Catalog Number: 66759-1-lg			Purification Method: Protein G purification	
	Concentration:GeneID (NCBI):1000 ug/ml5696Source:UNIPROT ID:		ICBI):	CloneNo.:	
			ID:	2A5B6 Recommended Dilutions:	
	Mouse	P28062	ID.	WB: 1:5000-1:50000 IHC: 1:500-1:2000 IF-P: 1:200-1:800 IF/ICC: 1:400-1:1600	
	Isotype:	Full Name	2:		
	lgG1 Immunogen Catalog Number: AG6780	subunit, b	ne (prosome, macropain) eta type, 8 (large tional peptidase 7)		
		<mark>Calculate</mark> 30 kDa	d MW:		
		Observed 23 kDa	MW:		
Applications	Tested Applications: WB, IHC, IF/ICC, IF-P, ELISA Cited Applications: WB, IHC		Positive Con	trols:	
			WB: Jurkat co	WB : Jurkat cells, HSC-T6 cells, Raji cells, Ramos cells	
				IHC : human lung cancer tissue, human liver cancer tissue, human oesophagus cancer tissue, mouse color	
	Species Specificity: human, mouse, rat		tissue, mous	tissue, numari desopriagus cancer tissue, induse cotori tissue, mouse stomach tissue, rat colon tissue, rat stomach tissue	
	Cited Species: human, rat		IF-P : human tissue	IF-P : human lung cancer tissue, human liver cancer tissue	
	Note-IHC: suggested anti TE buffer pH 9.0; (*) Alte retrieval may be perform buffer pH 6.0	rnatively, anti	gen	52 cells, HeLa cells	
Background Information	PSMB8(Proteasome subunit beta type-8) is also named as LMP7, PSMB5i, RING10, Y2 and belongs to the peptidase T1B family. The gene encodes the chymotrypsin-like catalytic subunit of the immunoproteasome(PMID: 19525961). PSMB8 has a role in controlling pathogenic immune responses and may be a target in autoimmune disorders. Its prosequence is not essential for incorporation of PSMB8 into the maturing proteasome, but it increased the efficiency of PSMB8 incorporation and proteasome maturation(PMID: 10926487). The pro-PSMB8 is a 276aa protein with the molecular mass of 30 kDa, and the mature form is about 23kDa due to the 72aa propeptide cleaved. Defects in PSMB8 are the cause of Nakajo syndrome (NKJO).				
Notable Publications	Author	Pubmed ID	Journal	Application	
	Sheng-Wen Chen	39786996	Cell Rep		
	Min Li	39733737	Immunobiology	WB,IHC	
Storage	Storage: Store at -20°C. Stable for one yes Storage Buffer: PBS with 0.02% sodium azide a Aliquoting is unnecessary for -2	and 50% glycerol			

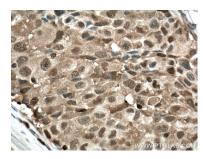
For technical support and original validation data for this product please contact:T: 4006900926E: Proteintech-CN@ptglab.comW: ptgcn.com

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

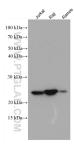
Selected Validation Data



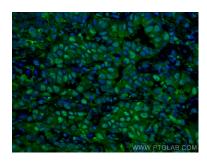
Immunohistochemical analysis of paraffinembedded human lung cancer tissue slide using 66759-1-1g (PSMB8 antibody) at dilution of 1:1000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



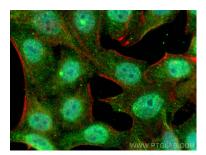
Immunohistochemical analysis of paraffinembedded human lung cancer tissue slide using 66759-1-1g (PSMB8 antibody) at dilution of 1:1000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 66759-1-lg (PSMB8 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed human lung cancer tissue using PSMB8 antibody (66759-1-Ig, Clone: 2A5B6) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using PSMB8 antibody (66759-1-1g, Clone: 2A5B6) at dilution of 1:800 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002), CL594phalloidin (red).