

## Basic Information

Catalog Number:	86491-1-PBS	GenBank Accession Number:	BC000835	Purification Method:	Protein A purification
Concentration:	1000 µg/ml	GenID (NCBI):	5694	CloneNo.:	251232G5
Source:	Rabbit	UNIPROT ID:	P28072		
Isotype:	IgG	Full Name:	proteasome (prosome, macropain) subunit, beta type, 6		
Immunogen Catalog Number:	AG2296	Calculated MW:	239 aa, 25 kDa		
		Observed MW:	25 kDa		

## Applications

Tested Applications:  
WB, IF/ICC, Indirect ELISA

Species Specificity:  
human, mouse

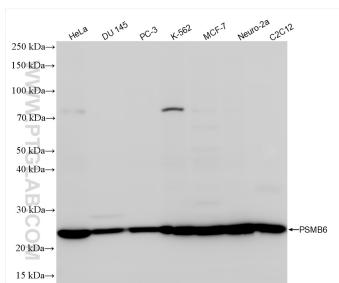
## Background Information

PSMB6(Proteasome subunit beta type-6) is also named as LMPY, Y and belongs to the peptidase T1B 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 may also catalyzes basal processing of intracellular antigens. It can be up-regulated in anaplastic thyroid cancer cell lines and down-regulated by IFNG/IFN-gamma (at protein level)(PMID:8066462;15613457).

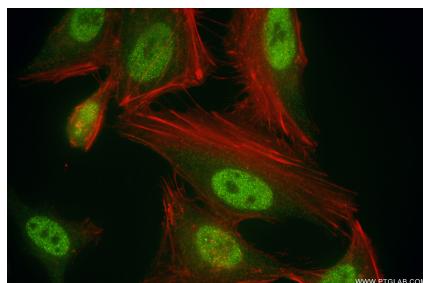
## Storage

Storage:  
Store at -80°C.  
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C  
Storage Buffer:  
PBS only, pH7.3

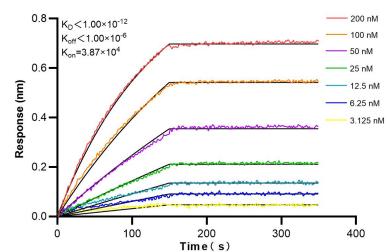
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86491-1-RR (PSMB6 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86491-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using PSMB6 antibody (86491-1-RR, Clone: 251232G5) at dilution of 1:500 and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 86491-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 86491-1-RR against Human PSMB6 were performed. The affinity constant is below 1 pM.