

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-PSMB8



Numéro de catalogue: 14859-1-AP

6 Publications

## Informations de base

Numéro de catalogue:  
14859-1-AP

Taille:  
150ul, Concentration: 400 µg/ml by Nanodrop and 307 µg/ml by Bradford method using BSA as the standard;

Hôte:  
Lapin

Isotype:  
IgG

Immunogen Catalog Number:  
AG6660

Numéro d'acquisition GenBank:  
BC001114

Identification du gène (NCBI):  
5696

Nom complet:  
proteasome (prosome, macropain) subunit, beta type, 8 (Large multifunctional peptidase 7)

MW calculé  
30 kDa

MW observés:  
23 kDa

Méthode de purification:  
Purification par affinité contre l'antigène

Dilutions recommandées:  
WB 1:500-1:2000  
IP 0.5-4.0 ug par IP and 1:500-1:2000 for WB  
IHC 1:20-1:200  
IF 1:50-1:500

## Applications

Applications testées:  
FC, IF, IHC, IP, WB, ELISA

Demandes citées:  
IHC, WB

Spécificité de l'espèce:  
Humain, souris

Espèces citées:  
Humain, souris

**Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (\*) A défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.**

Contrôles positifs:

WB : tissu rénal de souris, cellules Jurkat, cellules Raji, tissu rénal humain

IP : cellules Raji,

IHC : tissu de lymphome humain,

IF : cellules HepG2,

## Informations générales

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).

## Publications notables

Autrice	Pubmed ID	Journal	Application
Xinlong Fan	31559672	J Cell Mol Med	WB
Hiroyuki Kondo	31915251	J Biol Chem	WB,IHC
Yuwei Zhang	35219165	Int Immunopharmacol	

## Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

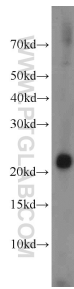
For technical support and original validation data for this product please contact:

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

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

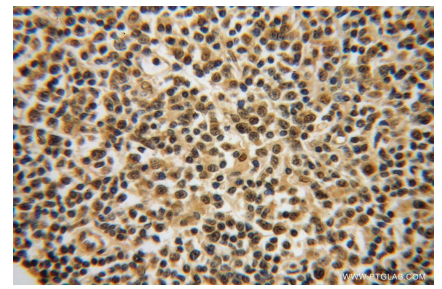
## Données de validation sélectionnées



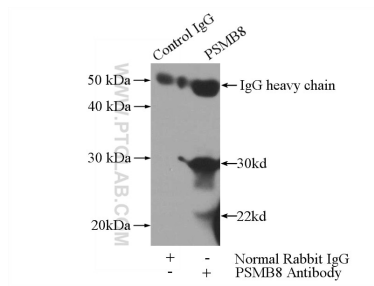
mouse kidney tissue were subjected to SDS PAGE followed by western blot with 14859-1-AP (LMP7 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



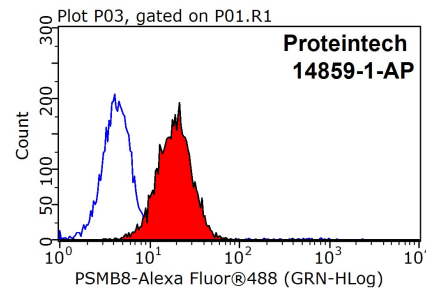
Immunohistochemical analysis of paraffin-embedded human lymphoma using 14859-1-AP (LMP7 antibody) at dilution of 1:50 (under 10x lens).



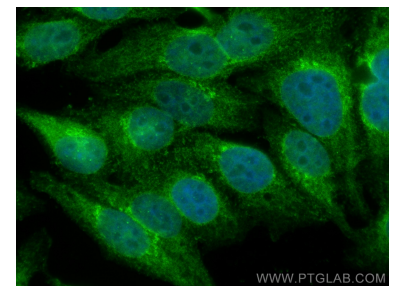
Immunohistochemical analysis of paraffin-embedded human Lymphoma using 14859-1-AP (LMP7 antibody) at dilution of 1:50 (under 40x lens).



IP Result of anti-LMP7 (IP:14859-1-AP, 3ug; Detection:14859-1-AP 1:1000) with Raji cells lysate 2800ug.



1X10<sup>6</sup> HepG2 cells were stained with 0.2ug LMP7 antibody (14859-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using PSMB8 antibody (14859-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).