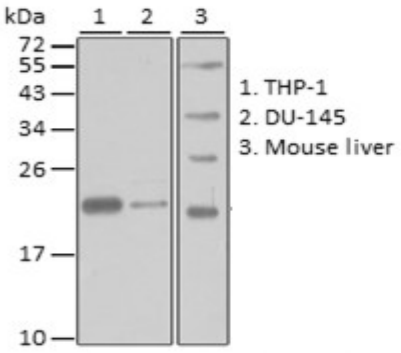
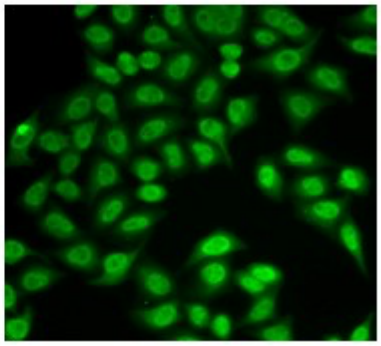
Product Name:	PSMB9 Rabbit pAb
Catalog #:	Y2112-20; Y2112-100
Also Known As:	PSMB9; LMP2; RING12; beta1i
Quantity:	20 µl for Y2112-20; 100 µl for Y2112-100
Concentration:	See labels on tube
Host Species:	Rabbit
Isotype:	IgG
Reactivity:	Human, Mouse
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-219 of human proteasome subunit beta 1i (PSMB9).
Swiss Prot. #:	P28065
Calculated MW:	23 kDa
Detected MW:	23 kDa
Applications:	WB (1:500 - 1:2,000) IF (1:50 - 1:100) IP (not tested) IHC (not tested) Note: Antibody dilution should be optimized by users.

Images:



Immunoblotting 25 µg whole cell extracts of various cell lines using PSMB9 antibody (Y2112) at 1:1,000 dilution.



Immunofluorescence of MCF-7 cells using PSMB9 antibody (Y2112) at 1:100 dilution.

Purification:	Protein A or G affinity purification
Buffer:	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Storage:	Store at -20°C. Centrifuge to maximize product recovery.
Background:	Proteasome subunit beta 1i is one of the inducible beta subunits of the immuno 20S proteasome that catalyzes "branched amino acid-preferred" activity by cleaving after branched residuess of polypeptides. The 20S proteasome has a barrel-like structure containing four stacked αββα rings. Each α or β ring is composed of seven different proteins. β1, β2 and β5 have peptidase activities that hydrolyze proteins. The corresponding catalytic subunits in immunoproteasomes are β1i, β2i and β5i subunits. The 20S proteasome can assemble with other protein complexes that activate the 20S proteasome to degrade proteins.
Reference:	1. Kelly A, et al. (1991) Nature 353, 667 - 668. 2. Tomko RJ and Hochstrasser M, (2013) Annu Rev Biochem 82, 415 - 445.
Note:	This product is for research use only.