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Product Name:	PSMB8 Rabbit pAb
Catalog #:	Y2172-20; Y2172-100
Also Known As:	PSMB8; ALDD; D6S216; D6S216E; JMP; LMP7; NKJO; PSMB5i; RING10
Quantity:	20 µl for Y2172-20; 100 µl for Y2172-100
Concentration:	See labels on tube
Host Species:	Rabbit
Isotype:	IgG
Reactivity:	Human, Mouse, Rat
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 163-272 of human proteasome subunit beta 5i (PSMB8).
Swiss Prot. #:	P28062
Calculated MW:	30 kDa
Detected MW:	23-28 kDa
Applications:	WB (1:500 - 1:2,000)
	IHC (1:50 - 1:200)
	IF (1:50 - 1:200)
	IP (not tested)
	Note: Antibody dilution should be optimized by users.

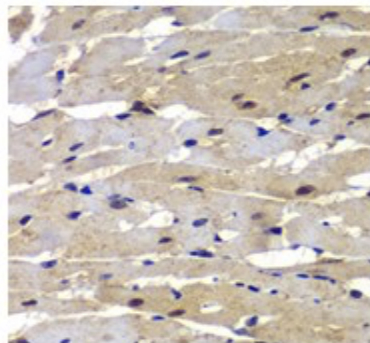**Images:**
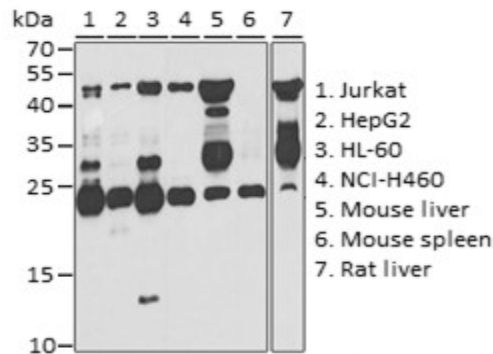
Immunoblotting 25 µg whole cell extracts of various cell lines using PSMB8 antibody (Y2172) at 1:1,000 dilution.

1. Jurkat
2. HepG2
3. HL-60
4. NCI-H460
5. Mouse liver
6. Mouse spleen
7. Rat liver
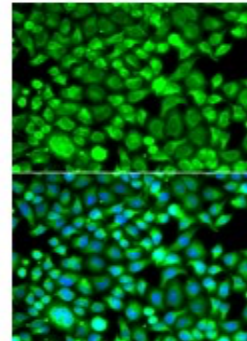
Immunofluorescence of A549 cells using PSMB8 antibody (Y2172) at 1:100 dilution. Blue: DAPI nuclear staining.

Immunohistochemistry of paraffin-embedded rat heart using PSMB8 antibody (Y2172) 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 5i is one of the inducible beta subunits of the immuno 20S proteasome that catalyzes "chymotrypsin-like" activity by cleaving after large hydrophobic 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. Agarwal AK, et al. (2010) Am J Hum Genet 87, 866 - 872. 2. Tomko RJ and Hochstrasser M, (2013) Annu Rev Biochem 82, 415 - 445.
Note:	This product is for research use only.