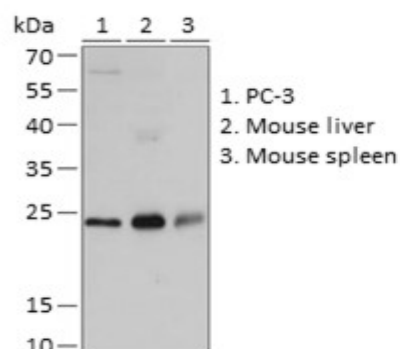
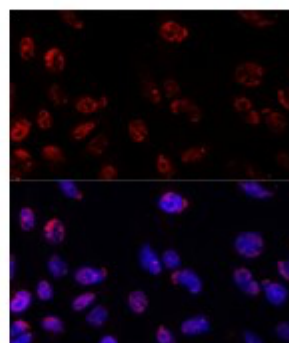


Product Name: PSMB1 Rabbit pAb
Catalog #: Y2102-20; Y2102-100
Also Known As: PSMB1; HC5; PMSB1; PSC5
Quantity: 20 µl for Y2102-20; 100 µl for Y2102-100
Concentration: See labels on tube
Host Species: Rabbit
Isotype: IgG
Reactivity: Human, Mouse, Rat
Immunogen: Recombinant fusion protein containing a sequence corresponding to amino acids 29-241 of human proteasome subunit beta 1 (PSMB1).
Swiss Prot. #: P20618
Calculated MW: 26 kDa
Detected MW: 26 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.

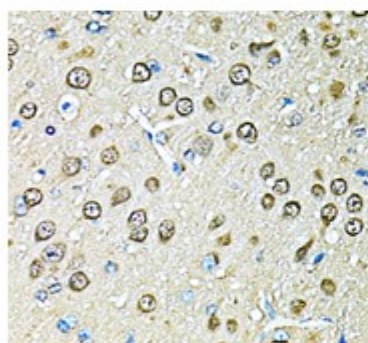
Images:



Immunoblotting 25 ug whole cell extracts of various cell lines using PSMB1 antibody (Y2102) at 1:1,000 dilution.



Immunofluorescence of C6 cells using PSMB1 antibody (Y2102) at 1:100 dilution. Blue: DAPI nuclear staining.



Immunohistochemistry of paraffin-embedded rat brain using PSMB1 antibody (Y2102) 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:	<p>Proteasome subunit beta 1 is one of the seven beta subunits of the 20S proteasome that catalyzes "caspase-like" activity by cleaving after acidic residues of polypeptides. The 20S proteasome has a barrel-like structure containing four stacked $\alpha\beta\alpha$ rings. Each α or β ring is composed of seven different proteins. $\beta 1$, $\beta 2$ and $\beta 5$ have peptidase activities that hydrolyze proteins. The corresponding catalytic subunits in immunoproteasomes are $\beta 1i$, $\beta 2i$ and $\beta 5i$ subunits. The 20S proteasome can assemble with other protein complexes that activate the 20S proteasome to degrade proteins.</p>
Reference:	<ol style="list-style-type: none">1. Tamura T, et al. (1994) J Mol Biol 244, 117 - 124.2. Tomko RJ and Hochstrasser M, (2013) Annu Rev Biochem 82, 415 - 445.