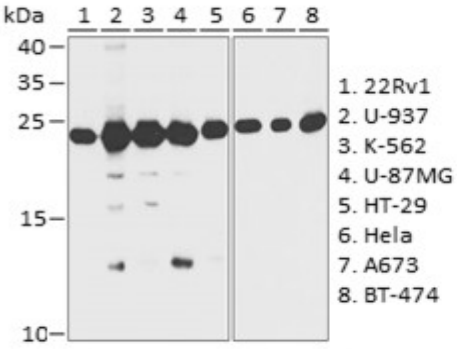
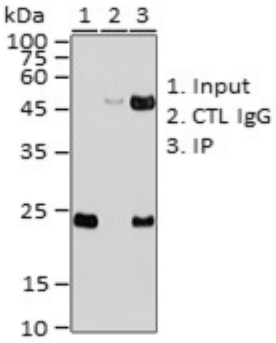
Product Name:	PSMB2 Rabbit pAb
Catalog #:	Y2122-20; Y2122-100
Also Known As:	PSMB2; HC7-I
Quantity:	20 µl for Y2122-20; 100 µl for Y2122-100
Concentration:	See labels on tube
Host Species:	Rabbit
Isotype:	IgG
Reactivity:	Human
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-201 of human proteasome subunit beta 2 (PSMB2).
Swiss Prot. #:	P49721
Calculated MW:	22 kDa
Detected MW:	22 kDa
Applications:	WB (1:500 - 1:2,000) IP (1:50 - 1:200) IHC (1:50 - 1:200) IF (1:50 - 1:200) Note: Antibody dilution should be optimized by users.

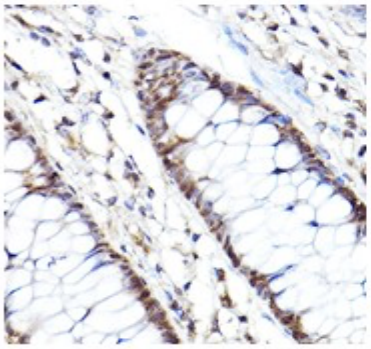
Images:



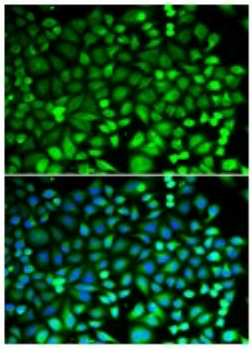
Immunoblotting 25 µg whole cell extracts of various cell lines using PSMB2 antibody (Y2122) at 1:1,000 dilution.



Immunoprecipitation of 300 µg HeLa cell extracts using 3µg PSMB2 antibody (Y2122). Immunoboltting: same antibody at 1:1,000 dilution.



Immunohistochemistry of paraffin-embedded human colon using PSMB2 antibody (Y2122) at 1:100 dilution.



Immunofluorescence of MCF-7 cells using PSMB2 antibody (Y2122) at 1:100 dilution. Blue: DAPI nuclear staining.

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 2 is one of the seven beta subunits of the 20S proteasome that catalyzes "trypsin-like" activity by cleaving after basic residues 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. McCusker D, et al. (1997) Genomics 45, 362 - 367. 2. Tomko RJ and Hochstrasser M, (2013) Annu Rev Biochem 82, 415 - 445.
Note:	This product is for research use only.