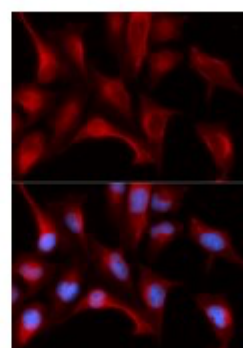
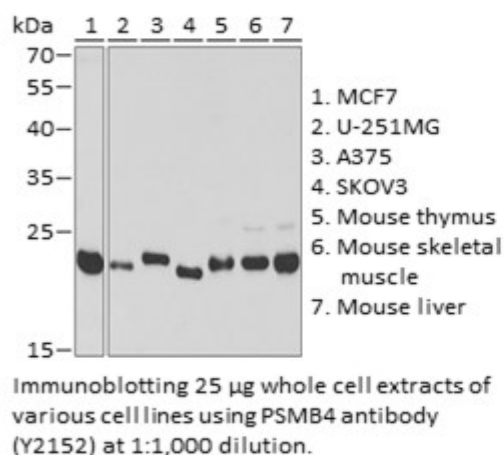


<b>Product Name:</b>	PSMB 4 Rabbit pAb
<b>Catalog #:</b>	Y2152-20; Y2152-100
<b>Also Known As:</b>	PSMB4; HN3; HsN3; PROS-26; PROS26
<b>Quantity:</b>	20 µl for Y2152-20; 100 µl for Y2152-100
<b>Concentration:</b>	See labels on tube
<b>Host Species:</b>	Rabbit
<b>Isotype:</b>	IgG
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Immunogen:</b>	Recombinant fusion protein containing a sequence corresponding to amino acids 1-264 of human proteasome subunit beta 4 (PSMB4).
<b>Swiss Prot. #:</b>	P28070
<b>Calculated MW:</b>	29 kDa
<b>Detected MW:</b>	22 kDa
<b>Applications:</b>	WB (1:500 - 1:2,000) IF (1:50 - 1:200) IP (not tested) IHC (not tested) Note: Antibody dilution should be optimized by users.

**Images:**



Immunofluorescence of U2OS cells using PSMB4 antibody (Y2152) at 1:100 dilution. Blue: DAPI nuclear staining.

<b>Purification:</b>	Protein A or G affinity purification
<b>Buffer:</b>	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
<b>Storage:</b>	Store at -20°C. Centrifuge to maximize product recovery.
<b>Background:</b>	Proteasome subunit beta 4 is one of the seven beta subunits of the 20S proteasome. The 20S proteasome has a barrel-like structure containing four stacked $\alpha\beta\alpha$ rings. Each $\alpha$ or $\beta$ 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.
<b>Reference:</b>	1. Gerards WLH, et al. (1994) FEBS Lett, 346, 151 - 155. 2. Tomko RJ and Hochstrasser M, (2013) Annu Rev Biochem 82, 415 - 45.