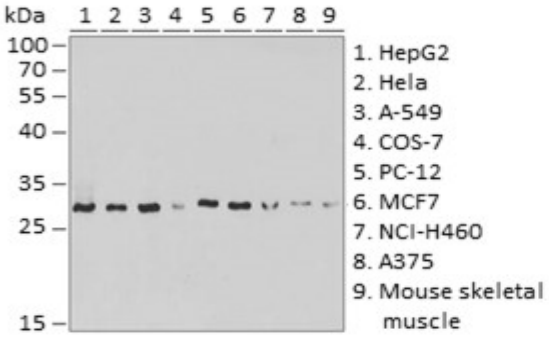
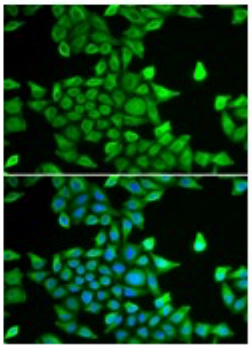
Product Name:	PSMA6 Rabbit pAb
Catalog #:	Y2052-20; Y2052-100
Also Known As:	PSMA6; IOTA; PROS27; p27K
Quantity:	20 µl for Y2052-20; 100 µl for Y2052-100
Concentration:	See labels on tube
Host Species:	Rabbit
Isotype:	IgG
Reactivity:	Human, Mouse, Rat
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-246 of human proteasome subunit alpha 6 (PSMA6).
Swiss Prot. #:	P60900
Calculated MW:	27 kDa
Detected MW:	27 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.

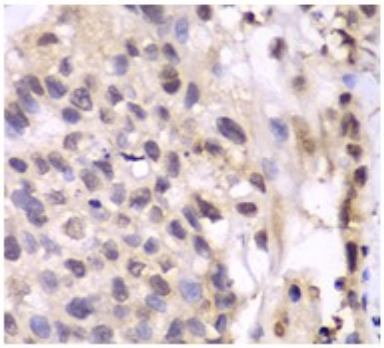
Images:



Immunoblotting 25 µg whole cell extracts of various cell lines using PSMA6 antibody (Y2052) at 1:1,000 dilution.



Immunofluorescence of MCF-7 cells using PSMA6 antibody (Y2052) at 1:100 dilution. Blue: DAPI nuclear staining.



Immunohistochemistry of paraffin-embedded human lung cancer using PSMA6 antibody (Y2052) 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 alpha 6 is one of the seven alpha subunits of the 20S proteasome. 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. Bey F, et al. (1993) Mol Genet 237, 193 - 205. 2. Tomko RJ and Hochstrasser M, (2013) Annu Rev Biochem 82, 415 - 445.
Note:	This product is for research use only.