e at -20C	PSMB7 (E1L5H) Rabbit mAb		Cell Signaling	
Store		Orders:	877-616-CELL (2355) orders@cellsignal.com	
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#13207		Web:	info@cellsignal.com cellsignal.com	
#		3 Trask Lane Danvers	Massachusetts 01923 USA	

For Research Use Only. Not for Use in Diagnostic Procedures.	
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Applications: WB	Reactivity: H M Mk	Sensitivity: Endogenous	MW (kDa): 28, 30	Source/Isotype: Rabbit IgG	UniProt ID: #Q99436	Entrez-Gene Id: 5695
Product Usage Information	•	oplication estern Blotting			Dilution 1:1000	
Storage				7.5), 150 mM NaCl, 100 not aliquot the antibody		erol and less than
Specificity / Sensit		· · ·	-	endogenous levels of to B7, but does not cross-	•	his antibody reacts
Source / Purification		noclonal antibody is p idues surrounding Ly		nunizing animals with a s PSMB7 protein.	synthetic peptide corre	esponding to
Background	sub 195 hete bas Ass ope The mod REC The and (Ntr syn biog the hon prot	strate proteins. It cor S/PA700 regulatory pa- eroheptameric β-ring, eroheptameric α-ring, eroheptameric α-ri	nsists largely of t article (RP) that of s (β_{1-7}) that cont s (α_{1-7}). The RP ed of a heterohe cellular Activities the α -subunits, itin receptors an chain topology (β_{1} e end of the 20S s three distinct e ssed PSMB5, PS es, respectively. nd are character terminal propept e catalytic threor sed PSMB6, PS subunits to form id replaced by P nological process pregulated in hum	ht proteolytic complex in wo sub-complexes, the can cap either end of the ain three catalytic β-sub includes a base and a li xameric ring of ATPase su thus exposing the unfold d DUBs that function in 1,2). Other modulators of S CP and activate it (1,2) nzymatic activities, each SMB7, and PSMB6 subu These catalytic subunits ized by a single-residue ides, which are removed ine residues (3). In imm MB7, and PSMB5 subu the immunoproteasome SMB10 to remodel the p ing of endogenous antig nan colon adenocarcino gnostic marker in breast	20S catalytic core part e CP. The CP consists units and are flanked of d, each having multipli- subunits belonging to ubunits function to unfo- ded substrate to the ca- recruitment of ubiquitin of proteasome activity, n catalyzed by a separ units provide chymotry s belong to the amino- active site. The cataly d at the final step of pr- une cells involved in a hits are replaced by th e (4,5). PSMB7 is down proteolytic specificity of gens (6). Research stu- mas and suggest that	ticle (CP) and the of two stacked on either side by two e subunits. The the AAA (ATPases old the substrate and atalytic β -subunits. nated substrates and such as PA28/11S rate protein subunit. psin-like, trypsin-like, terminal nucleophile tric β -subunits are oteasome antigen presentation, ree highly nregulated at the f the proteasome for udies show that
Background Refer	2. L 3. S 4. B 5. C 6. H 7. R	Stringer, J.R. et al. (19 Boes, B. et al. (1994)	Mol Cell Proteo 977) J Virol 21, 8 J Exp Med 179, anski, R.A. (1998 1996) J Exp Med J Proteome Res	mics 10, R110.003871. 89-901. 901-9. 9 <i>J Biol Chem</i> 273, 1670 183, 1807-16. 5 7, 2959-72.	64-70.	
Species Reactivity	Spec	cies reactivity is dete	rmined by testing	g in at least one approve	ed application (e.g., we	estern blot).
Western Blot Buffe				membrane with diluted th gentle shaking, overn		% w/v nonfat dry

1/1/24, 12:03 PM	PSMB7 (E1L5H) Rabbit mAb (#13207) Datasheet Without Images Cell Signaling Technology			
Applications Key	WB: Western Blotting			
Cross-Reactivity Key	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected			
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