e at -20C	PSMC5/TRIP1 Antibody		Cell Signaling	
Store		Orders:	877-616-CELL (2355) orders@cellsignal.com	
3392		Support:	877-678-TECH (8324)	
133		Web:	info@cellsignal.com cellsignal.com	
#	31	Frask Lane   Danvers   Mas	ssachusetts   01923   USA	

## For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: WB	Reactivity: H M R Mk	Sensitivity: Endogenous	<b>MW (kDa):</b> 45	Source: Rabbit	UniProt ID: #P62195	Entrez-Gene Id: 5705	
Product Usage Information	-	plication estern Blotting			Dilution 1:1000		
Storage	•	pplied in 10 mM sodi C. Do not aliquot the	ŭ	i), 150 mM NaCl, 10	00 μg/ml BSA and 50% g	lycerol. Store at –	
Specificity / Sensiti		-			l PSMC5 (TRIP1) proteii 9S proteasome regulatoi	•	
Species predicted to react based on 100% sequence homology:		nelanogaster, Zebra	fish, Pig				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human PSMC5 (TRIP1) protein. Antibodies are purified by protein A and peptide affinity chromatography.					
Background	sub 19S hete bas Ass ope The mod REC The PSM hete from requ by (	strate proteins. It co s/PA700 regulatory p eroheptameric $\beta$ -ring eroheptameric $\alpha$ -ring e, in part, is composi- ociated with diverse n the gate formed b lid consists of ubiquitin G, can also bind to t base of the eukary MC6) that bind direct erohexameric, pore- n ATP hydrolysis by uired for degradation 3-subunits (3-5). Thy	nsists largely of two particle (RP) that ca gs ( $\beta_{1-7}$ ) that contain gs ( $\alpha_{1-7}$ ). The RP in sed of a heterohexa e cellular Activities) is y the $\alpha$ -subunits, th uitin receptors and the end of the 20S CP $\alpha$ like structure that for the AAA-ATPases is n of ubiquitinated for vroid hormone recepton negative regulation	b sub-complexes, th n cap either end of n three catalytic β-si cludes a base and a meric ring of ATPase us exposing the unf DUBs that function i 2). Other modulators CP and activate it (1 S/PA700 RP contair ring. These 19S RF orms part of the sub s utilized for substra Ided proteins within otor-interacting proto of gene transcriptio	ATPases are thought to ATPases are thought to strate translocation char ate unfolding and translo the central chamber of t ein 1 (PSMC5, TRIP1) is n. Recruitment of PSMC	ticle (CP) and the of two stacked on either side by two e subunits. The the AAA (ATPases old the substrate and atalytic $\beta$ -subunits. nated substrates and such as PA28/11S units (PSMC1- o assemble into a nnel. Energy derived ication, which is the 20S CP formed is a 19S AAA-ATPase	
Background Refere	2. L 3. G 4. B 5. L 6. M	inley, D. (2009) Ann ee, M.J. et al. (2011 Groll, M. et al. (2000) raun, B.C. et al. (19 iu, C.W. et al. (2002 lasuyama, H. and M Giannì, M. et al. (200	) Mol Cell Proteom. Nat Struct Biol 7, 1 99) Nat Cell Biol 1, ) J Biol Chem 277, 1acDonald, P.N. (19	ics 10, R110.00387 .062-7. 221-6. 26815-20. 98) J Cell Biochem			
Species Reactivity	Spec	cies reactivity is dete	ermined by testing i	n at least one appro	ved application (e.g., we	estern blot).	
Western Blot Buffe	r						

1/1/24, 11:22 AM	PSMC5/TRIP1 Antibody (#13392) Datasheet Without Images Cell Signaling Technology IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.			
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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