PSMC5/TRIP1 Antibody	
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#	3 Trask Lane Danvers Massachusetts 01923 USA

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

Applications: W	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 45	Source/Isotype: Rabbit	UniProt ID: #P62195	Entrez-Gene Id 5705
Product Usage Information		Application Western Blotting			Dilution 1:1000	
Storage		Supplied in 10 mM sc 20°C. Do not aliquot t		5), 150 mM NaCl, 100 μg.	/ml BSA and 50% gl	ycerol. Store at –
Specificity/Sens	itivity	PSMC5/TRIP1 Antibody recognizes endogenous levels of total PSMC5 (TRIP1) protein. This antibody does not cross-react with other AAA-ATPase subunits of the 19S proteasome regulatory particle.				
Species predicto based on 100% homology		D. melanogaster, Zeb	rafish, Pig			
Source / Purifica	ation		boxy terminus of hu	munizing animals with a iman PSMC5 (TRIP1) pro raphy.		
Background		ubiquitinated substra particle (CP) and the consists of two stacked flanked on either side having multiple subut belonging to the AAA function to unfold the unfolded substrate to function in recruitme Other modulators of and activate it (1,2). The base of the euka PSMC6) that bind dire heterohexameric, poo derived from ATP hyo which is required for 20S CP formed by β-s 19S AAA-ATPase subu	ate proteins. It consi 195/PA700 regulator ed heteroheptameri e by two heterohept nits. The base, in pa- (ATPases Associate e substrate and ope o the catalytic β-sub- nt of ubiquitinated proteasome activity ryotic proteasome 1 ectly to the 20S CP of re-like structure tha trolysis by the AAA-A degradation of ubic subunits (3-5). Thyro unit involved in the r	t proteolytic complex inv sts largely of two sub-co ry particle (RP) that can of c β -rings (β_{1-7}) that cont americ α -rings (α_{1-7}). The rt, is composed of a het d with diverse cellular Ai n the gate formed by the units. The lid consists of substrates and modificat , such as PA28/11S REG, 9S/PA700 RP contains si -ring. These 19S RP ATPa t forms part of the subst TPases is utilized for sub juitinated folded protein id hormone receptor-int negative regulation of ge facilitates their degrada	mplexes, the 20S ca cap either end of th ain three catalytic β e RP includes a base erohexameric ring of ctivities) family. The e α-subunits, thus e ubiquitin receptors tion of ubiquitin cha can also bind to the x AAA-ATPase subu ases are thought to crate translocation of bstrate unfolding al s within the central reracting protein 1 (ene transcription. R	atalytic core e CP. The CP -subunits and are e and a lid, each of ATPase subunits ATPase subunits xposing the and DUBs that ain topology (1,2). e end of the 20S CP nits (PSMC1- assemble into a thannel. Energy nd translocation, chamber of the PSMC5, TRIP1) is a ecruitment of
Background Re	ferences	1. Finley, D. (2009) <i>An</i> 2. Lee, M.J. et al. (201 3. Groll, M. et al. (200 4. Braun, B.C. et al. (1 5. Liu, C.W. et al. (200 6. Masuyama, H. and 7. Giannì, M. et al. (20	1) <i>Mol Cell Proteom</i> 0) <i>Nat Struct Biol</i> 7, 999) <i>Nat Cell Biol</i> 1, 2) <i>J Biol Chem</i> 277, 2 MacDonald, P.N. (19	<i>ics</i> 10, R110.003871. 1062-7. 221-6. 26815-20. 998) <i>J Cell Biochem</i> 71, 4	29-40.	
Species Reactiv						
	ity	Species reactivity is d	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).
Western Blot Bเ	-	IMPORTANT: For wes	tern blots, incubate	g in at least one approve membrane with diluted with gentle shaking, ove	primary antibody i	

Cross-Reactivity Key	H: Human M: Mouse R: Rat Mk: Monkey
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