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PSMG1/PAC1 Antibody

Applications: W, IP	Reactivity: H Mk	Sensitivity: Endogenous	MW (kDa): 30	Source/Isotype: Rabbit	UniProt ID: #O95456	Entrez-Gene Id: 8624
Product Usage Information		Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:200	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store at · 20°C. Do not aliquot the antibody.			/cerol. Store at –	
Specificity/Sen	sitivity		tibody weakly cross	enous levels of total PSN reacts with murine and 2 (PAC2) protein.		
Source / Purifi	cation		ino terminus of hun	munizing animals with nan PSMG1 (PAC1) prote		
Background		ubiquitinated substra particle (CP) and the 1 consists of two stacke flanked on either side having multiple subur belonging to the AAA function to unfold the unfolded substrate to function in recruitmer Other modulators of p and activate it (1,2). Proteasome assembly expressed chaperone eukaryotic proteasom and was originally ide heterodimers both pr accumulation of non- murine <i>Psmg1</i> locus h normal proteasome n	te proteins. It consi 195/PA700 regulator d heteroheptameri e by two heterohept nits. The base, in pa (ATPases Associated e substrate and oper the catalytic β-sub- nt of ubiquitinated s proteasome activity y chaperone 1 (PSM protein that promo he (3,4). PSMG1 (PAC entified as a proteas omote heterohepta productive α-ring di nave substantiated naturation and cellu proyonic lethality (5).	t proteolytic complex inv sts largely of two sub-co y particle (RP) that can c β -rings (β_{1-7}) that cont americ α -rings (α_{1-7}). Th rt, is composed of a het d with diverse cellular A n the gate formed by th units. The lid consists of substrates and modifica , such as PA28/11S REG, G1, PAC1) is an evolution tes proper biogenesis of come subunit binding pa meric α -ring assembly a mers (4). Research stud the importance of prote lar homeostasis by dem	proplexes, the 20S ca cap either end of the ain three catalytic β- e RP includes a base erohexameric ring of ctivities) family. The e α-subunits, thus er ubiquitin receptors tion of ubiquitin cha can also bind to the narily conserved, ub f the α-ring of the 2 dimeric complex wit rtner (4). Intact PSM and/or stability and p ies targeting the dis asome chaperones	atalytic core e CP. The CP -subunits and are e and a lid, each of ATPase subunits ATPase subunits xposing the and DUBs that and DUBs that an topology (1,2). e end of the 20S CP iquitously 0S CP of the th PSMG2 (PAC2) MG1-PSMG2 prevent sruption of the in contributing to
Background R	eferences	1. Finley, D. (2009) <i>An.</i> 2. Lee, M.J. et al. (2011 3. Vidal-Taboada, J.M. 4. Hirano, Y. et al. (200 5. Sasaki, K. et al. (201	1) <i>Mol Cell Proteom</i> et al. (2000) <i>Bioche</i> 05) <i>Nature</i> 437, 138	<i>ics</i> 10, R110.003871. <i>m Biophys Res Commur</i> 1-5.	a 272, 156-63.	
Species Reacti	vity	Species reactivity is de	etermined by testing	g in at least one approve	ed application (e.g.,	western blot).
Western Blot E	Buffer		,	membrane with diluted with gentle shaking, ove		ו 5% w/v nonfat
Applications K	ey	W: Western Blotting I	P: Immunoprecipita	ition		
Cross-Reactivi	ty Key	H: Human Mk: Monke	≥y			

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