

:15141

POMP (D2X9S) Rabbit mAb



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Applications: W, IP	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 16	Source/Isotype: Rabbit IgG	UniProt ID: #Q9Y244	Entrez-Gene Id 51371
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, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		POMP (D2X9S) Rabbit mAb recognizes endogenous levels of total POMP protein.				
Species predicted to react based on 100% sequence homology		Bovine				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the amino terminus of human POMP protein.				
Background		ubiquitinated substration 19S/PA700 regulatory heteroheptameric β-ri heteroheptameric α-ri includes a heterohexa gate to expose the sul DUBs that recruit ubic activity modulators, sur Proteasome maturation assembly of the 20S coheteroheptameric β-ri assembly. The POMP and activation (3-6). Reconstitutive proteasore endoplasmic reticulur	te proteins. It consi- particle (RP) that co- ings (β1-7) that co- ings (α1-7). The RP meric ring of ATPa- postrate to the catal- juitinated substrate uch as PA28/11S RE particles as PA28/11S RE particles as PA28/11S RE particles as particles and corotein undergoes esearch studies sugnes and immunopin (6-8). A single nucles	t proteolytic complex in ists largely of the 20S car aps either end of the CP, itain three catalytic β-sul includes multimeric basse subunits that unfold tytic β-subunits. The lid ces and modify ubiquitines, bind the 20S CP cylinoroteassemblin, hUMP1) e during mammalian prodimerization of half-protegost that POMP is requiroteasomes, and that the cleotide deletion in the 5 tosomal recessive skind	talytic core particle The CP consists of bunits flanked on e e and lid complexes the substrate and o onsists of ubiquitin chain topology (1,2) der end and open to its an integral factor teasome biogenes teasomes during com following 20S CP ired for CP assemble assembly focal poor topology (1,2) der CP assemble assembly focal poor topology (1,2) der CP assemble to	(CP) and the two stacked ither side by two so. The RP base pen the α-subunit receptors and). Proteasome he CP channel (1,2). ressential for sis. POMP promotes re particle complex assembly by for both int resides at the ults in altered
Background Re	eferences	 Finley, D. (2009) Annu Rev Biochem 78, 477-513. Lee, M.J. et al. (2011) Mol Cell Proteomics 10, R110.003871. Griffin, T.A. et al. (2000) Mol Cell Biol Res Commun 3, 212-7. Witt, E. et al. (2000) J Mol Biol 301, 1-9. Ramos, P.C. et al. (1998) Cell 92, 489-99. Fricke, B. et al. (2007) EMBO Rep 8, 1170-5. Heink, S. et al. (2005) Proc Natl Acad Sci U S A 102, 9241-6. Heink, S. et al. (2006) Cancer Res 66, 649-52. Dahlqvist, J. et al. (2010) Am J Hum Genet 86, 596-603. 				

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4° C with gentle shaking, overnight.

Applications Key

W: Western Blotting IP: Immunoprecipitation

Cross-Reactivity Key

H: Human M: Mouse R: Rat Mk: Monkey

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