

PSMA5 (T14) Antibody



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

Applications: W	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 27	Source/Isotype: Rabbit	UniProt ID: #P28066	Entrez-Gene Id: 5686
Product Usage Information		Application Western Blotting			Dilution 1:1000	
Storage		Supplied in 10 mM so 20°C. Do not aliquot t		5), 150 mM NaCl, 100 μg.	/ml BSA and 50% gl	ycerol. Store at –
Specificity/Sensitivity		PSMA5 (T14) Antibody detects endogenous levels of total PSMA5 protein.				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Thr14 of human PSMA5 protein. Antibodies are purified by protein A and peptide affinity chromatography.				
Background		degradation. It consis are identical rings cor composed of β subun important for assemble different β proteasom major protein comple with high affinity and preferentially degrade spectrum that include factors. By controlling	sts of four stacked mposed of α suburnits. While the catal bly and as binding states that function a associates with the polyubiquitinates cell cycle regulation of the degradation of the states.	olytic enzyme complex invirings, each with seven distits (called PSMAs), and the ytic sites are located on the sites for regulatory protein identified in mammals (is activators of the 20S proteasome to formed proteins (1-3). The proteins, signaling molecules, of these intracellular proteins mune responses, protein	stinct subunits. The two inner layers the β rings (1-3), the ins (4). Seven differ (5). PA700, PA28, and the 26S proteason the 26S proteason tumor suppresson the proteason the proteas	two outer layers are identical rings a subunits are ent α and ten d PA200 are three binds polyubiquitin me, which d substrate s, and transcription ne functions in cell
Background References		 Dahlmann, B. (2005) Essays Biochem. 41, 31-48. Pickart, C.M. and Cohen, R.E. (2004) Nat. Rev. Mol. Cell Biol. 5, 177-87. Nandi, D. et al. (2006) J. Biosci. 31, 137-55. Lupas, A. et al. (1993) Enzyme Protein 47, 252-73. Monaco, J.J. and Nandi, D. (1995) Annu. Rev. Genet. 29, 729-54. Murray, A.W. (2004) Cell 116, 221-34. Ciechanover, A. (2006) Proc. Am. Thorac. Soc. 3, 21-31. Wang, J. and Maldonado, M.A. (2006) Cell. Mol. Immunol. 3, 255-61. Rubinsztein, D.C. (2006) Nature 443, 780-6. 				
Species Reactivi	ity	Species reactivity is do	etermined by testir	ng in at least one approve	ed application (e.g.,	western blot).
Western Blot Buffer		IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v RSA 1X				

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

Cross-Reactivity Key

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

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