e at -20C	PTPA/PPP2R4 Antibody	all the second sec			
Store		Orders:	877-616-CELL (2355) orders@cellsignal.com		
000		Support	877-678-TECH (8324)		
#3330		Web:	info@cellsignal.com cellsignal.com		
#	3	Trask Lane   Danver	s   Massachusetts   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> 40	Source: Rabbit	UniProt ID: #Q15257	Entrez-Gene Id: 5524		
Product Usage Information		pplication Vestern Blotting			Dilution 1:1000			
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.						
Specificity / Sensitivity		PTPA/PPP2R4 Antibody detects endogenous levels of total PTPA protein.						
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to the sequence of human PTPA. Antibodies are purified by protein A and peptide affinity chromatography.						
Background	co rei cy co rei kn an co PT tha	nserved in all eukaryou gulates fundamental ce cle progression, cell di imposed of both structu gulatory (B) subunits. A iown as the PP2A activ ind has isomerase (PPIa information. The additio (PA isomerase activity at binding of PTPA to th	tes. PP2A is a key ellular activities sur vision, apoptosis a ural (A) and cataly An important PP2A vator regulatory sul ase) activity, sugge on of ATP (and Mg (5). While the exame PP2A A-C dime	enzyme within vario ch as DNA replicatio and development (1- tic (C) proteins, and regulatory subunit bunit 4 (PPP2R4) (4 esting that PP2A reg 2+) results in a corre ct mechanism is still or produces a confor	rine/threonine phosphata bus signal transduction p on, transcription, translati 3). Active protein phospl its activity relies on inter is PP2A phosphatase ac ). This PTPA regulatory ulation involves a chang elated increase in both F under consideration, ev mational change in PP2, photyrosine substrates (6	athways as it ion, metabolism, cell hatase 2A is raction with tivator (PTPA), also protein binds ATP e in phosphatase PP2A activation and idence suggests A that shifts		
Background Refe	2. 3. 4. 5.	Janssens, V. and Goris Zolnierowicz, S. (2000 Millward, T.A. et al. (19 Fellner, T. et al. (2003) Jordens, J. et al. (2006 Chao, Y. et al. (2006) /	) Biochem Pharma 999) Trends Bioche Genes Dev 17, 2: 5) J Biol Chem 281	acol 60, 1225-35. em Sci 24, 186-91. 138-50. L, 6349-57.				
Species Reactivity		Species reactivity is determined by testing in at least one approved application (e.g., western blot).						
Western Blot Buf		PORTANT: For westerr % Tween® 20 at 4°C v			d primary antibody in 5%	ó w/v BSA, 1X TBS,		
Applications Key	w	B: Western Blotting						
Cross-Reactivity	X: )		B: bovine Dg: dog	Pg: pig Sc: S. cere	Mi: mink C: chicken Dn visiae Ce: C. elegans Hi			
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## PTPA/PPP2R4 Antibody (#3330) Datasheet Without Images Cell Signaling Technology

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