Revision 1		
Phospho-Threonine-Proline Mouse mAb (P-Thr-Pro-101)	C T	ell Signaling
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Applications: W, IHC-P, E-P	Reactivity: All	<b>Sensitivity:</b> Endogenous	Source/Isotype: Mouse IgM	
Product Usage Information		Application Western Blotting Immunohistochemistry	(Paraffin)	<b>Dilution</b> 1:5000 1:400 1:1000
Storage			im HEPES (pH 7.5), 150 mM NaCl, 100 μ	ug/ml BSA, 50% glycerol and less than
Specificity/Sensi	tivity	0.02% sodium azide. Store at -20°C. Do not aliquot the antibody. Phospho-Threonine-Proline Mouse mAb (P-Thr-Pro-101) detects phospho-threonine only when follows by proline. It reacts with proteins and peptides phosphorylated at the Thr-Pro motif in an otherwise highly context-independent fashion. The antibody is phospho-specific, but does not recognize phospho-threonine in the absence of an adjacent proline. The antibody does not react with phospho- tyrosine but does react with some phospho-serine peptides containing the phospho-serine-proline motif (e.g., phospho-Elk-1). (U.S. Patent No's.: 6,441,140; 6,982,318; 7,259,022; 7,344,714; U.S.S.N. 11,484,485; and all foreign equivalents.)		
Source / Purifica	tion	Monoclonal antibody is produced by immunizing animals with synthetic phospho-threonine-proline- containing peptides. This antibody is a mouse IgM clone and can be recognized by anti-mouse Ig (whole molecule) secondary antibody.		
Background		and cell cycle control. Th 6). To facilitate the study developed antibodies th As determined by ELISA Monoclonal Antibody (P- independent fashion. It a	ese kinases phosphorylate threonine of and discovery of new MAPK and CDK at bind to phospho-threonine or phosp	ro peptides, Phospho-Threonine-Proline Thr-Pro motif in a highly context- lospho-Thr-Pro-containing proteins as
Background Ref	erences	1. Pearson, R.B. and Kemp, B.E. (1991) <i>Methods Enzymol</i> 200, 62-81. 2. Seger, R. and Krebs, E.G. (1995) <i>FASEB J</i> 9, 726-35. 3. Nurse, P. (2000) <i>Cell</i> 100, 71-8. 4. Cross, T.G. et al. (2000) <i>Exp Cell Res</i> 256, 34-41. 5. Yang, C.C. et al. (1998) <i>J Protein Chem</i> 17, 329-35. 6. Reynolds, C.H. et al. (2000) <i>J Neurochem</i> 74, 1587-95.		52-81.
Species Reactivi	ty	Species reactivity is dete	rmined by testing in at least one appro	oved application (e.g., western blot).
Western Blot Bu	ffer	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 IHC-P: Immunohistochemistry (Paraffin) E-P: Peptide ELISA (DELFIA)		
Cross-Reactivity	Кеу	All: All Species Expected		
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