Phospho-(Ser) PKC Substrate Antibody





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

Applications: W, IP, E-P	Reactivity: All	Sensitivity: Endogenous	Source/Isotype: Rabbit	
Product Usage Information		Application Western Blotting Immunoprecipitation Peptide ELISA (DELFIA)	Dilution 1:1000 1:25 1:500	
Storage		Supplied in 10 mM sodium 20°C. Do not aliquot the a	n HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store at – ntibody.	
Specificity/Sensitivity		Phospho-(Ser) PKC Substrate Antibody recognizes endogenous levels of many cellular proteins only when phosphorylated at serine residues surrounded by Arg or Lys at the -2 and +2 positions and a hydrophobic residue at the +1 position. The antibody does not cross-react with nonphosphorylated serine residues, with phospho-threonine in the same motif, or with phospho-serine in other motifs.		
Source / Purification		Polyclonal antibodies are produced by immunizing animals with synthetic phospho-PKC substrate peptides. Antibodies are purified by protein A and peptide affinity chromatography.		
Background		processes including secret substrates continue to be (cPKC), novel PKCs (nPKC), group (1). When activated,	(PKC) family members are involved in a number of signal transduction ion, gene expression, proliferation, and muscle contraction, many PKC unidentified (1,2). Isozymes of PKC are subdivided into conventional PKCs and atypical PKCs (aPKC). PKC α , β I, β II, and γ isoforms belong to the cPKC cPKC isozymes phosphorylate substrates containing Ser or Thr, with Arg or sitions, and a hydrophobic amino acid at position +1 (1-3).	
Background References		1. Nishikawa, K. et al. (1997) <i>J Biol Chem</i> 272, 952-60. 2. Pearson, R.B. and Kemp, B.E. (1991) <i>Methods Enzymol</i> 200, 62-81. 3. Obata, T. et al. (2000) <i>J Biol Chem</i> 275, 36108-15.		
Species Reactivity		Species reactivity is detern	nined 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 E-P: Peptide ELISA (DELFIA)		
Cross-Reactivity K	ey	All: All Species Expected		
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