Phospho-(Ser) 14-3-3 Binding Motif Antibody
 Image: Cell Signaling TECHNOLOGY

 Orders:
 877-616-CELL (2355) orders@cellsignal.com

 Support:
 877-678-TECH (8324)

 Web:
 info@cellsignal.com cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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

Applications: Re WB, IP, IHC-P, E-P	activity: Sensitivity: All Endogenous	Source: Rabbit		
Product Usage Information	<b>Application</b> Western Blotting Immunoprecipitation Immunohistochemistry ( Peptide ELISA (DELFIA	, , , , , , , , , , , , , , , , , , ,	<b>Dilution</b> 1:1000 1:50 1:100 1:500	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 $\mu$ g/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.		
Specificity / Sensitivit	phospho-Ser with proline phospho-specific and lar reacts with sequences co containing phospho-Ser reactivity is observed wit Thr/Ser/Tyr-containing m	Phospho-(Ser) 14-3-3 Binding Motif Antibody binds peptides and proteins containing a motif composed of phospho-Ser with proline at the +2 position and arginine or lysine at the -3 position. Antibody binding is phospho-specific and largely independent of other surrounding amino acids. The antibody weakly cross-reacts with sequences containing phospho-Thr instead of phospho-Ser in this motif, and with sequences containing phospho-Ser surrounded by Phe at the +1 position and Arg/Lys at the -3 position. No cross-reactivity is observed with corresponding nonphosphorylated sequences or with other phospho-Thr/Ser/Tyr-containing motifs. By ELISA this antibody recognizes a wide range of peptides containing the 14-3-3 binding motif, and by 2D gel Western blot analysis it recognizes a large number of presumptive 14-3-3 binding proteins.		
Source / Purification		Polyclonal antibodies are produced by immunizing animals with synthetic phospho-(Ser) 14-3-3-binding- motif containing peptides . Antibodies are purified by protein A and peptide affinity chromatography.		
Background	apoptosis, proliferation a phosphorylation-depende are found within nearly a -2, phospho-Ser at positi cdc25C, FKHRL1, PKC a Monoclonal Antibodies p	a highly conserved family of proteins involvend checkpoint control (1-5). Biological reguent protein-protein interactions (6). Two different proteins 14-3-3 binding proteins (7). Motif 1 on 0, and Pro at position +2) is found in critand c-Raf (5,7). Phospho-(Ser) 14-3-3 Bind rovide powerful tools for the discovery and ng this motif and for high throughput drug d	lation by 14-3-3 is mediated through erent phospho-Ser-containing motifs L (Arg/Lys and Ser at positions -3 and tical regulatory proteins including Bad, ing Motif Polyclonal and (4E2) characterization of potential 14-3-3	
Background Referenc	2. Zha, J. et al. (1996) Ce	ell 87, 619-28. 999) Nature 401, 535, 537. 3) Nature 394, 88-92. EMBO J 19, 349-58. 6) Cell 84, 889-97.		
Species Reactivity	Species reactivity is deter	mined by testing in at least one approved a	upplication (e.g., western blot).	
Western Blot Buffer		n blots, incubate membrane with diluted prir vith gentle shaking, overnight.	nary antibody in 5% w/v BSA, 1X TBS,	
Applications Key	WB: Western Blotting IP: E-P: Peptide ELISA (DEL	: Immunoprecipitation <b>IHC-P:</b> Immunohistor _FIA)	chemistry (Paraffin)	
Cross-Reactivity Key				

1/1/24, 10:14 AM	Phospho-(Ser) 14-3-3 Binding Motif Antibody (#9601) Datasheet Without Images Cell Signaling Technology			
	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected			
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