Phospho-PSD95 (Tyr236/Tyr240) Antibody Orders: 877-616-CELL (2355) orders@cellsignal.com



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

Applications: React WB F		<b>MW (kDa):</b> 95	Source: Rabbit	<b>UniProt ID:</b> #P78352	Entrez-Gene Id: 1742	
Product Usage Information	Application Western Blotting			<b>Dilution</b> 1:1000		
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 / Sensitivity		Phospho-PSD95 (Tyr236/Tyr240) Antibody detects endogenous levels of PSD95 protein only when phosphorylated at Tyr236 or Tyr240.				
Species predicted to react based on 100% sequence homology:	Human, Mouse					
Source / Purification	Polyclonal antibodies and to residues surrounding peptide affinity chromation	Tyr236 and Tyr240		h a synthetic phosphope Antibodies are purified b		
Background	(MAGUK) family of prot followed by three PDZ of a scaffolding protein inv PSD95 participates in s and related transmemb	eins. These family lomains, an SH3 do olved in the assem ynaptic targeting of rane AMPA recepto	members consist of omain, and an inacti bly and function of t f AMPA receptors the r regulatory proteins	nembrane-associated gu an amino-terminal varia ve guanylate kinase (GH he postsynaptic density rough an indirect manne s (TARPs) (3). It is implic g (4). Mutations in PSDS	ble segment () domain. PSD95 is complex (1-2). r involving stargazin ated in experience-	
	phosphorylation sites at PhosphoScan <sup>®</sup> , CST's	Tyr236 and Tyr240 MS/MS platform for observed in extrac	D that were identified r phosphorylation sit ts isolated from isch	previously unpublished I d at Cell Signaling Techn e discovery. Phosphoryl remic rat brain. The sites sites from murine brain	ology (CST) using ation of PSD95 at s were independently	
Background References	1. Cao, J. et al. (2005) J 2. Chetkovich, D.M. et a 3. Cai, C. et al. (2006) J 4. Yao, W.D. et al. (2004) 5. Cline, H. (2005) <i>Curr.</i> 6. Ballif, B.A. et al. (200	al. (2002) J. Neuros J. Biol. Chem. 281, 4) Neuron 41, 625-3 Biol. 15, R203-5.	cci. 22, 6415-25. 4267-73. 38.			
Species Reactivity	Species reactivity is dete	ermined by testing i	n at least one appro	ved application (e.g., we	estern blot).	
Western Blot Buffer	IMPORTANT: For wester 0.1% Tween® 20 at 4°C			d primary antibody in 5%	6 w/v BSA, 1X TBS,	
Applications Key	WB: Western Blotting					

1/1/24, 1:48 PM Phospho-PSD95 (Tyr236/Tyr240) Antibody (#3919) Datasheet Without Images Cell Signaling Technology		
Cross-Reactivity K	<ul> <li>H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster</li> <li>X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse</li> <li>GP: Guinea Pig Rab: rabbit All: all species expected</li> </ul>	
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