3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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

Applications: WB, FC-FP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 76	Source/Isotype: Rabbit IgG	UniProt ID: #Q13094	Entrez-Gene Id: 3937	
Product Usage Information	W	pplication estern Blotting ow Cytometry (Fixed/I	Permeabilized)			Dilution 1:1000 1:400	
Storage				7.5), 150 mM NaCl, 100 not aliquot the antibody		erol and less than	
	For	For a carrier free (BSA and azide free) version of this product see product #72511.					
Specificity / Sensiti	whe		Ser376. This pro	it mAb recognizes endo oduct reacts with mouse one D7S1K.			
Source / Purificatio		noclonal antibody is p idues surrounding Se	-	unizing animals with a s SLP-76 protein.	synthetic phosphopep	tide corresponding to	
Background	imp (1). tyrc of 1 also acc pro SLF and The dev CD	2007tant in multiple biod 2 ZAP-70 phosphoryla 2007tant residues follower 7yr113 and Tyr128 residues 20 leads to phosphoryl 2007tant residues 2007tant residues 2007tant 2007tant residues 2007tant residues 2007tant residues 2007t	chemical signalir tes SLP-76 and d by a proline-ric sult in recruitmer ation of Tyr145, the proline-rich _P-76 binds to th in the cytosol. U bbly of a multi-pro 6 is tightly regul as thymocyte ma (mocytes (5).	n of 76 kDa (SLP-76) is ng pathways and necess LAT as a result of TCR ch domain and a carbox at of the GEF Vav and th which mediates an asso domain of SLP-76 and t ie SH3 domains of Grb2 Jpon TCR ligation, SLP- totein signaling complex ated; the protein is dete aturation progresses, ar	sary for T cell develop ligation. SLP-76 has a cy-terminal SH2 doma ne adaptor protein Ncl ociation between SLP- he SH3 domain of Itk 2-like adaptor Gads (3 76 translocates to the that includes Vav, Nc cted at very early stag nd is reduced as cells	ment and activation amino-terminal in. Phosphorylation (2). TCR ligation -76 and ltk, which is (3). Furthermore, the (3). Furthermore, the (3). In resting cells, e plasma membrane (4). In resting cells, e plasma membrane (5). In resting cells, e plasma to CD4 ⁺	
	(HF	PK1) (6,7). This phosp	phorylation induc	es interaction with 14-3 lation of TCR signaling	-3ε, which leads to the	-	
Background Refere	2. E 3. E 4. L 5. C 6. S 7. C	Clements, J.L. (2003) Bubeck Wardenburg, s Bunnell, S.C. et al. (20 Liu, S.K. et al. (1999) Clements, J.L. et al. (1 Shui, J.W. et al. (2007 Di Bartolo, V. et al. (20 Lasserre, R. et al. (20)	J. et al. (1998) Ir 000) J Biol Cherr Curr Biol 9, 67-7 1998) J Immunol) Nat Immunol 8 007) J Exp Med 2	nmunity 9, 607-16. 2775, 2219-30. 5. 161, 3880-9. 24-91. 204, 681-91.	- -		
Species Reactivity	Spe	cies reactivity is deter	mined by testing	ı in at least one approve	ed application (e.g., w	estern blot).	
Western Blot Buffe		ORTANT: For westerr ⁄6 Tween® 20 at 4°C v		membrane with diluted ng, overnight.	primary antibody in 5 ⁰	% w/v BSA, 1X TBS,	
Applications Key	WB	B: Western Blotting FC	C-FP: Flow Cytor	metry (Fixed/Permeabili	zed)		

3/23/24, 11:34 AM Phosph	o-SLP-76 (Ser376) (D7S1K) Rabbit mAb (#92711) Datasheet Without Images Cell Signaling Techn
Cross-Reactivity Key	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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