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Phospho-DAPP1/BAM32 (Tyr139) (D7G4G) Rabbit mAb



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3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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

Applications: W, W-S, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 29	Source/Isotype: Rabbit IgG	UniProt ID: #Q9UN19	Entrez-Gene Id: 27071
Product Usage Information		Application Western Blotting Simple Western™ Immunoprecipitation			Dilution 1:1000 1:50 - 1:250 1:200	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
Specificity/Sen	sitivity	Phospho-DAPP1/BAM32 (Tyr139) (D7G4G) Rabbit mAb recognizes endogenous levels of DAPP1/BAM32 protein only when phosphorylated at Tyr139.				
Source / Purifie	cation			nunizing animals with a yr139 of human DAPP1.		eptide
Background		adaptor protein that r transduction downstra amino-terminal SH2 d PI3K-derived phospho specific tyrosine resid indicate that phospho signaling (2,3). The an targets. As a result of by coordinating meml pathways (1,4). DAPP1 dendritic cell (DC) mat that the DAPP1/BAM3 mediated signaling pa Research studies show intact PH domain in D recruitment of DAPP1 Tyr139 inhibits BCR in	nediates the recruit eam of the B cell re lomain and a carbo pinositides (i.e., PIP- ues and translocate nylation and translo nino-terminal SH2 of these interactions, brane-localized inter I/BAM32 is express turation and localize 2 adaptor may play athways (5). w that phosphorylar APP1/BAM32, and i /BAM32 by phosph ternalization and ref	d 3-phosphoinositides (I tment and interaction of ceptor (BCR) (1). The DA xy-terminal pleckstrin he by the cytoplasm to be a construction of DAPP1/BAM3. Iomain binds to PLCy2 a DAPP1/BAM32 can adjue the cytoplasm to be a construction of DAPP1/BAM32 and ation to contact sites be a role in the activation tion of DAPP1/BAM32 at s likely performed by Sr oinositides (6). Blocking educes cellular F-actin le lating actin-dependent i	f molecules required PP1/BAM32 protein omology (PH) doma DAPP1/BAM32 is ph o the membrane. Re 2 is strongly depend and other tyrosine-p st the response to r is of distinct signal t 8 lymphocytes; high tween DC and allog of T cells through M : Tyr139 is PI3K-depic c-family kinases foll phosphorylation of vels, suggesting tha	d for signal contains an in that binds to iosphorylated at search studies lent upon PI3K hosphorylated eceptor activation ransduction expression during enic T cells suggest IHC class I- endent, requires an owing membrane DAPP1/BAM32 at at phosphorylation
Background Re	eferences	1. Marshall, A.J. et al. (2. Marshall, A.J. et al. (3. Anderson, K.E. et al 4. Richards, S. et al. (2 5. Ortner, D. et al. (201 6. Dowler, S. et al. (200 7. Niiro, H. et al. (2004 8. Allam, A. et al. (2004	(2000) <i>J Exp Med</i> 19 . (2000) <i>Curr Biol</i> 10 008) <i>Immunol Rev</i> 1) <i>J Immunol</i> 187, 2 00) <i>Biochem J</i> 349, 6 1) <i>J Immunol</i> 173, 56	1, 1319-32. 0, 1403-12. 224, 183-200. 3972-8. 505-10. 501-9.		
Species Reactiv	vity	Species reactivity is de	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).
Western Blot B	Buffer	IMPORTANT: For west TBS, 0.1% Tween® 20		membrane with diluted shaking, overnight.	primary antibody ir	ר 5% w/v BSA, 1X
Applications K	ey	W: Western Blotting V	V-S: Simple Westerr	™ IP: Immunoprecipita	tion	
Cross-Reactivit	ty Key	H: Human				

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