Phospho-Dab1 (Tyr220) Antibody



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Applications: W	Reactivity: H	Sensitivity: Transfected Only	MW (kDa): 80, 110 GFP-Dab1 fusion.	Source/Isotype: Rabbit	#075553	Entrez-Gene Id: 1600	
Product Usage Information		Application Western Blotting			Dilution 1:1000		
Storage		Supplied in 10 mM so 20°C. Do not aliquot	odium HEPES (pH 7.5) the antibody.	150 mM NaCl, 100 μg/	ml BSA and 50% gly	/cerol. Store at –	
Specificity/Sens	/Sensitivity Phospho-Dab1 (Tyr220) Antibody detects transfected levels of Dab1 protein only when phosp at tyrosine 220.		en phosphorylated				
Species predict based on 100% homology	ed to react sequence	Mouse, Rat					
Source / Purific	ation	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Tyr220 of human Dab1. Antibodies are purified by protein A and peptide affinity chromatography.					
Background		The Reelin signaling glycoprotein that bin surface of neurons (1 (Dab1), an intracellula family tyrosine kinase binding (PTB) domair sequence motif withi Homology-like subdo within the Dab1 PTB of Dab1 independent Dock1 associate with phosphorylation of D	pathway plays a critic ds to the lipoprotein a ,2). Activation of thes ar adaptor. It is gener es is the most critical within its amino terr n the cytoplasmic tail omain that binds to pl domain is required for c of VLDLR and ApoER tyrosine-phosphoryla bab1 at residues 220 c	al role in neuronal deve receptors VLDLR and Ap e receptors induces tyr ally believed that tyrosi downstream event in R ninus enables Dab1 to of the receptors. In ad nosphoinositides. The p r membrane localizatio 2 (3). It has been demo ated Dab. The CrkII-Dab r 232 (4).	elopment. Reelin is a boER2 or alpha3bet osine phosphorylation eelin signaling. The recognize and bind dition, the PTB cont shosphoinositide-bi on and basal tyrosin nstrated that Src, C of interaction requi	a secreted a1 integrin on the ion of Disabled 1 of Dab1 by Src phosphotyrosine- to a conserved ains a Pleckstrin nding region e phosphorylation rkII, CrkL and res tyrosine	
Background Re	ferences	1. Huang, Y. et al. (20 2. Luque, J.M. (2004) 3. Morimura, T. et al. 4. Chen, K. et al. (200	05) Biochem. Biophys Brain Res. Dev. Brain (2005) J. Biol. Chem. 2 4) J. Cell. Sci. 117, 452	:. <i>Res. Commun.</i> 331, 14 Res. 152, 269-271. 180, 16901-16908. 7-4536.	460-1468.		
Species Reactiv	ity	Species reactivity is d	letermined by testing	in at least one approve	d application (e.g.,	western blot).	
Western Blot B	uffer	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 Ke	y	W: Western Blotting					
Cross-Reactivit	у Кеу	H: Human					
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