#5445 stor

Phospho-SHIP2 (Tyr1135) (D33C6) XP[®] Rabbit mAb



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

Applications: W, IP, FC-FP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 160	Source/Isotype: Rabbit IgG	UniProt ID: #O15357	Entrez-Gene Id: 3636
Product Usage Information		Application Western Blotting Immunoprecipitation Flow Cytometry (Fixed/Permeabilized)			Dilution 1:1000 1:200 1:1600	
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/Sensitivity		Phospho-SHIP2 (Tyr1135) (D33C6) XP^{\otimes} Rabbit mAb detects endogenous levels of SHIP2 protein only when phosphorylated at Tyr1135.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Tyr1135 of human SHIP2 protein.				
Background		phosphatidylinositol-3 cytosolic phosphatase its carboxy terminus ('through binding of its phosphorylation on the motif is essential for the growth, cell cycle arrestocated in one of the N SHIP2, a homolog of S negatively regulates in hyperglycemia (9). Rec	,,,5-triphosphate t with an SH2 doma 1,2). Upon receptor SH2 domain to the e NPXY motif (2). T ne regulatory funct st, and apoptosis is IPXY motifs in SHIP HIP1, is highly exp esulin signaling (8)	HIP1) is a hematopoietic ophosphatidylinositol-3 in in its amino terminus cross-linking, SHIP is fire phospho-tyrosine in the membrane relocalization of SHIP1 (3-5). Its effect mediated through the Firal and its phosphorylation of polymorphisms in Siggest SHIP2 as a therapidate of the properties of the polymorphisms in Siggest SHIP2 as a therapidate of the phosphorylated in	,4-bisphosphate (1 and two NPXY Sho st recruited to the e ITIM motif (2), fol tion and phosphor ect on calcium flux PI3K and Akt pathw on is important for muscle and placen HIP2 have been lir eutic target for the). SHIP1 is a binding motifs in membrane junction lowed by tyrosine ylation on the NPXY cell survival, rays (3-5). Tyr1022 is SHIP1 function (6). ta (7). SHIP2 ked to
Background References		1. Tridandapani, S. et al. (1997) <i>Mol Cell Biol</i> 17, 4305-11. 2. Liu, L. et al. (1997) <i>J Biol Chem</i> 272, 8983-8. 3. Malbec, O. et al. (2001) <i>J Biol Chem</i> 276, 30381-91. 4. Carver, D.J. et al. (2000) <i>Blood</i> 96, 1449-56. 5. Scharenberg, A.M. et al. (1998) <i>EMBO J</i> 17, 1961-72. 6. Sattler, M. et al. (2001) <i>J Biol Chem</i> 276, 2451-8. 7. Pesesse, X. et al. (1997) <i>Biochem Biophys Res Commun</i> 239, 697-700. 8. Wada, T. et al. (2001) <i>Mol Cell Biol</i> 21, 1633-46. 9. Ishida, S. et al. (2006) <i>Pancreas</i> 33, 63-7. 10. Liang, X. et al. (2006) <i>Proteomics</i> 6, 4554-64. 11. Dyson, J.M. et al. (2005) <i>Int J Biochem Cell Biol</i> 37, 2260-5. 12. Goss, V.L. et al. (2008) <i>Proc Natl Acad Sci U S A</i> 105, 692-7. 14. Rikova, K. et al. (2007) <i>Cell</i> 131, 1190-203.				

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X

Applications Key

 $\textbf{W:} \ \textbf{Western Blotting IP:} \ \textbf{Immunoprecipitation FC-FP:} \ \textbf{Flow Cytometry (Fixed/Permeabilized)}$

Cross-Reactivity Key

H: Human

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