Phospho-SHIP2 (Tyr986/987) Antibody



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

Applications:	Reactivity:	Sensitivity: Endogenous	MW (kDa): 160	Source/Isotype: Rabbit	UniProt ID: #O15357	Entrez-Gene Id: 3636
Product Usage Information		Application Western Blotting			Dilution 1:1000	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		Phospho-SHIP2 (Tyr986/987) Antibody detects endogenous levels of SHIP2 when phosphorylated at Tyr986 and Tyr987.				
Species predict based on 100% homology		Mouse, Rat				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Tyr986 and Tyr987 of human SHIP2. Antibodies are purified by protein A and peptide affinity chromatography.				
Background		phosphatidylinositol-3 cytosolic phosphatase its carboxy terminus (through binding of its phosphorylation on the motif is essential for the growth, cell cycle arrellocated in one of the N SHIP2, a homolog of State of the N segatively regulates in the superglycemia (9). Recobesity and type 2 dia	8,4,5-triphosphate to with an SH2 doma 1,2). Upon receptor SH2 domain to the ne NPXY motif (2). The regulatory functions, and apoptosis is NPXY motifs in SHIP stallin signaling (8) the studies also subetes (10,11). Tyr98	HIP1) is a hematopoietico phosphatidylinositol-3 in in its amino terminus cross-linking, SHIP is fir phospho-tyrosine in the membrane relocalization of SHIP1 (3-5). Its efficiency mediated through the I1, and its phosphorylation of polymorphisms in Siggest SHIP2 as a therapisidues has also been obsided.	a,4-bisphosphate (1), and two NPXY Sho est recruited to the releast recruited and phosphory fect on calcium flux PI3K and Akt pathwon is important for muscle and placent recruited and placent recruited the phorylated upon PD	binding motifs in membrane junction owed by tyrosine plation on the NPXY, cell survival, ays (3-5). Tyr1022 is SHIP1 function (6). It (7). SHIP2 ked to treatment of both GF treatment of
Background Re	eferences	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. Dyson, J.M. et al. (2005) <i>Int J Biochem Cell Biol</i> 37, 2260-5. 11. Sasaoka, T. et al. (2006) <i>Pharmacol Ther</i> 112, 799-809. 12. Artemenko, Y. et al. (2007) <i>J Cell Physiol</i> 211, 598-607. 13. Goss, V.L. et al. (2006) <i>Blood</i> 107, 4888-97. 14. Rikova, K. et al. (2007) <i>Cell</i> 131, 1190-203. 15. Guo, A. et al. (2008) <i>Proc Natl Acad Sci USA</i> 105, 692-7.				

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 TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key W: Western Blotting

Cross-Reactivity Key H: Human

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