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SHIP2 Antibody



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

Applications: R	Reactivity: H	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 μg/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		SHIP2 Antibody detects the endogenous levels of total SHIP2 protein. It does not cross-react with SHIP1.				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ala1083 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 th motif is essential for t growth, cell cycle arre located in one of the N SHIP2, a homolog of S negatively regulates in	8,4,5-triphosphate of with an SH2 domain, 2). Upon receptor SH2 domain to the NPXY motif (2). The regulatory functions, and apoptosis is NPXY motifs in SHIF SHIP1, is highly expensulin signaling (8) tent studies also successives.	HIP1) is a hematopoietico phosphatidylinositol-3 in in its amino terminus cross-linking, SHIP is fire phospho-tyrosine in the membrane relocalization of SHIP1 (3-5). Its efformediated through the P1, and its phosphorylation of SHIP2 as a therapagest SH	3,4-bisphosphate (1 s and two NPXY Sho rst recruited to the e ITIM motif (2), foll ation and phosphon fect on calcium flux PI3K and Akt pathw ion is important for muscle and placen GHIP2 have been lin). SHIP1 is a binding motifs in membrane junction lowed by tyrosine ylation on the NPXY, cell survival, lays (3-5). Tyr1022 is SHIP1 function (6). ta (7). SHIP2 ked to
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, 1633-1646. 9. Ishida, S. et al. (2006) <i>Pancreas</i> 33, 63-67. 10. Dyson, J.M. et al. (2005) <i>Int. J. Biochem. Cell Biol.</i> 37, 2260-2265. 11. Sasaoka, T. et al. (2006) <i>Pharmacol Ther</i> 112, 799-809.						
Species Reactivity		Species reactivity is de	etermined by testin	g in at least one approve	ed application (e.g.	western blot)

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Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 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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