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e at -20C	SHIP2 (C76A7) Rabbit mAb	T C	Cell Signaling		
Store		Orders:	877-616-CELL (2355) orders@cellsignal.com		
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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: WB, IP, IF-IC, FC-FP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 160	Source/Isotype: Rabbit IgG	UniProt ID: #O15357	Entrez-Gene Id: 3636	
Product Usage		Application				Dilution	
Information	Ň	Western Blotting				1:1000	
	I	Immunoprecipitation				1:50	
	I	Immunofluorescence (Ir	nmunocytochem	nistry)		1:25	
	I	Flow Cytometry (Fixed/	Permeabilized)			1:50	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				erol and less than	
Specificity / Sensitiv	SHIP2 (C76A7) Rabbit mAb detects endogenous levels of total SHIP2 protein.						
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ala1083 of human SHIP2.					
Background	p p te b r r c c S r (S	hosphatidylinositol-3,4, hosphatase with an SH erminus (1,2). Upon rec inding of its SH2 domai hosphorylation on the N notif is essential for the ell cycle arrest, and apo ne of the NPXY motifs i SHIP2, a homolog of SH egatively regulates insu	5-triphosphate to 2 domain in its a eptor cross-linkin n to the phospho IPXY motif (2). T regulatory functio ptosis is mediat n SHIP1, and its IP1, is highly ex lin signaling (8)	SHIP1) is a hematopoiet o phosphatidylinositol-3, amino terminus and two ng, SHIP is first recruite o-tyrosine in the ITIM me The membrane relocaliz on of SHIP1 (3-5). Its ef ed through the PI3K and s phosphorylation is imp pressed in heart, skelet and polymorphisms in S as a therapeutic target fo	4-bisphosphate (1). S NPXY Shc binding m d to the membrane ju btif (2), followed by ty ation and phosphoryla fect on calcium flux, o d Akt pathways (3-5). ortant for SHIP1 func- al muscle and placent SHIP2 have been link	SHIP1 is a cytosolic otifs in its carboxy nction through rosine ation on the NPXY cell survival, growth, Tyr1021 is located in tion (6). ta (7). SHIP2 ed to hyperglycemia	
Background Refere	2 3 4 5 6 7 8 9 10	. Tridandapani, S. et al. . Liu, L. et al. (1997) <i>J E</i> . Malbec, O. et al. (2003) . Carver, D.J. et al. (2001) . Scharenberg, A.M. et al. . Sattler, M. et al. (2001) . Pesesse, X. et al. (1993) . Wada, T. et al. (2001) . Ishida, S. et al. (2006) . Dyson, J.M. et al. (2006) . Sasaoka, T. et al. (2007)	Biol Chem 272, 8 1) J Biol Chem 2 00) Blood 96, 14 al. (1998) EMBC) J Biol Chem 2 7) Biochem Bio Mol Cell Biol 21, Pancreas 33, 6 05) Int J Biochen	9983-8. 76, 30381-91. 49-56. 9 J 17, 1961-72. 76, 2451-8. phys Res Commun 239 , 1633-46. 3-7. 1 Cell Biol 37, 2260-5.	, 697-700.		
Species Reactivity	Sp	pecies reactivity is deter	mined by testing	g in at least one approve	ed application (e.g., w	estern blot).	
Western Blot Buffer		IPORTANT: For western 1% Tween® 20 at 4°C v		membrane with diluted ng, overnight.	primary antibody in 5	% w/v BSA, 1X TBS,	
Applications Key		WB: Western Blotting IP: Immunoprecipitation IF-IC: Immunofluorescence (Immunocytochemistry) FC-FP: Flow Cytometry (Fixed/Permeabilized)					
Cross-Reactivity Key							

1/1/24, 1:58 PM	 SHIP2 (C76A7) Rabbit mAb (#2839) Datasheet Without Images Cell Signaling Technology H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected 			
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