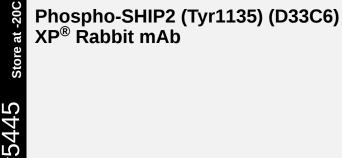
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Applications: WB, IP, FC-FP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 160	Source/Isotype: Rabbit IgG	UniProt ID: #O15357	Entrez-Gene Id: 3636
Product Usage Information	We	plication Istern Blotting nunoprecipitation w Cytometry (Fixed/	Permeabilized)			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.				cerol and less than
Specificity / Sensiti		spho-SHIP2 (Tyr113 n phosphorylated at		Rabbit mAb detects en	dogenous levels of S	HIP2 protein only
Source / Purificatio		loclonal antibody is p dues surrounding Tyr		unizing animals with a s SHIP2 protein.	synthetic phosphoper	ptide corresponding to
Background	phos phos term bind phos moti cell one SHII nega (9).	sphatidylinositol-3,4, sphatase with an SH ninus (1,2). Upon rec ling of its SH2 domai sphorylation on the N if is essential for the cycle arrest, and apo of the NPXY motifs i P2, a homolog of SH atively regulates insu Recent studies also	5-triphosphate to 2 domain in its a eptor cross-linkin n to the phospho IPXY motif (2). T regulatory functio ptosis is mediat in SHIP1, and its IIP1, is highly ex Ilin signaling (8) suggest SHIP2 a	SHIP1) is a hematopoie phosphatidylinositol-3, mino terminus and two ng, SHIP is first recruite -tyrosine in the ITIM m he membrane relocaliz on of SHIP1 (3-5). Its ef ed through the P13K and posphorylation is imp pressed in heart, skelet and polymorphisms in S as a therapeutic target fit ted in human cancer ce	4-bisphosphate (1). S NPXY Shc binding m d to the membrane ju otif (2), followed by ty ation and phosphoryl fect on calcium flux, o d Akt pathways (3-5). ortant for SHIP1 func al muscle and placen SHIP2 have been link or the treatment of bo	SHIP1 is a cytosolic notifs in its carboxy inction through rosine ation on the NPXY cell survival, growth, Tyr1021 is located in tion (6). ta (7). SHIP2 ed to hyperglycemia
Background Refere	2. Li 3. M 4. Ci 5. Si 6. Si 7. Pi 8. W 9. Is 10. D 11. Li 12. D 13. G 14. G	/ada, T. et al. (2001) hida, S. et al. (2006) yson, J.M. et al. (200 ang, X. et al. (2006)	Biol Chem 272, 8 1) J Biol Chem 2 20) Blood 96, 14 al. (1998) EMBC) J Biol Chem 27 27) Biochem Biol Mol Cell Biol 21, Pancreas 33, 6 25) Int J Biochem Proteomics 6, 4 25) Int J Biochem 20) Int J Biochem 20) Dirt J Biochem 21) Dirt J Biochem 22) Dirt J Biochem 23) Dirt J Biochem 24) Dirt J Biochem 24) Dirt J Biochem 25) Dirt J Biochem 26) Dirt J Biochem 26) Dirt J Biochem 27) Dirt J Biochem 27) Dirt J Biochem 28) Dirt J Biochem 29) Dirt J Biochem 20) Dirt J	983-8. 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. 554-64. 1 Cell Biol 37, 2260-5. 38-97. ci U S A 105, 692-7.	, 697-700.	
Species Reactivity Western Blot Buffe	r IMPC		n blots, incubate	j in at least one approve membrane with diluted ng, overnight.		
	0.1%	Tween® 20 at 4°C v	with gentle shaki	ng, overnight.		

Applications Key

1/1/24, 1:32 PM	Phospho-S	 HIP2 (Tyr1135) (D33C6) XP® Rabbit mAb (#5445) Datasheet Without Images Cell Signaling Tech WB: Western Blotting IP: Immunoprecipitation FC-FP: Flow Cytometry (Fixed/Permeabilized)
Cross-Reactivit	ху Кеу	 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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