e at -20C	Bif-1 Antibody	J.	Cell Signaling
Store		Orders:	877-616-CELL (2355) orders@cellsignal.com
37		Support	877-678-TECH (8324)
¢446		Web:	info@cellsignal.com cellsignal.com
++		3 Trask Lane Danver	s Massachusetts 01923 USA

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

Applications: WB, IP	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 42	Source: Rabbit	UniProt ID: #Q9Y371	Entrez-Gene Id: 51100	
Product Usage Information	App Wes Imm	Dication Stern Blotting nunoprecipitation			Dilution 1:1000 1:50		
Storage	Supp 20°C	blied in 10 mM sodiu . Do not aliquot the	um HEPES (pH 7.5 antibody.	5), 150 mM NaCl, 10	00 μg/ml BSA and 50% gl	lycerol. Store at –	
Specificity / Sensitiv	vity Bif-1	Antibody recognize	es endogenous lev	els of total Bif-1 prot	ein.		
Species predicted to react based on 100% sequence homology	0 Monł 6 7:	key, Bovine, Pig					
Source / Purificatior	Polyc resid affini	clonal antibodies ard ues surrounding Gl ty chromatography.	e produced by imn y129 of human Bif	nunizing animals wit 1 protein. Antibodie	h a synthetic peptide corr s are purified by protein <i>i</i>	responding to A and peptide	
Background	Bif-1, bindi Bcl-2 invol confo cytoo orga Bif-1 III/Vp depri Rese 1 has	/SH3GLB1/Endophi ng protein through y f family members, b ved in membrane d prmational change a chrome c release, a nelles and has beer directly binds to UV ps34 activity require vation, results in inc earch studies have s s been noted in sev	lin-B1 is a member yeast two-hybrid so ut rather contains ynamics, and a C- and apoptosis (2,3 nd caspase activat n suggested to play /RAG, forming a c d for autophagoso creased expression shown that loss of eral cancer types (r of the endophilin E creening (1,2). Bif-1 an N-terminal Bin-A terminal SH3 domai). Likewise, loss of E ion (3). Bif-1 is loca / a role in membran omplex with Beclin-2 me maturation (4). I n of Bif-1, and can c Bif-1 promotes tumo 4,6-10).	B family that was originall does not have significan mphiphysin-Rvs (BAR) d n. Overexpression of Bif- Bif-1 inhibits Bax and Bak lized to membranes of in e dynamics, including tha L, resulting in increased F nhibition of GSK-3β, as s ontribute to autophagic c origenesis, and decrease	y identified as a Bax t homology to other omain, typically 1 promotes Bax activation, tracellular at during autophagy. PI3-kinase class seen during nutrient cell death (5). d expression of Bif-	
Background Refere	1. Pie 2. Cu 3. Ta 4. Ta 5. Ya 6. Cc 7. Cc 8. Cc 9. Kir 10. Le	errat, B. et al. (2001 Iddeback, S.M. et a kahashi, Y. et al. (20 kahashi, Y. et al. (21 ng, J. et al. (2010) , pppola, D. et al. (2010) pppola, D. et al. (200 pppola, D. et al. (2008) e, J.W. et al. (2006)) Genomics 71, 22 I. (2001) J Biol Ch. 005) Mol Cell Biol 9 J Cell Sci 123, 861 11) Pancreas 40, 4 08) Cancer 113, 20 08) Clin Genitourin Pathology 40, 553 1) Pathology 38, 31	22-34. em 276, 20559-65. 25, 9369-82. 9, 1142-51. -70. 133-7. 565-70. <i>Cancer</i> 6, 117-21. 8-7. 2-5.			
Species Reactivity	Speci	es reactivity is dete	rmined by testing i	n at least one appro	ved application (e.g., we	stern blot).	
Western Blot Buffer	IMPO 0.1%	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	WB:	Western Blotting IP	: Immunoprecipita	tion			

3/23/24, 1:23 PM	Bif-1 Antibody (#4467) Datasheet Without Images Cell Signaling Technology				
Cross-Reactivity Key	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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