nSMase1 Antibody



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Applications: W	Reactivity: H Mk	Sensitivity: Endogenous	MW (kDa): 50	Source/Isotype: Rabbit	UniProt ID: #O60906	Entrez-Gene Id: 6610
Product Usage Information		Application Western Blotting			Dilution 1:1000	
Storage		Supplied in 10 mM so 20°C. Do not aliquot t		5), 150 mM NaCl, 100 μg	/ml BSA and 50% gl	lycerol. Store at –
Specificity/Sensitivity		nSMAase Antibody detects endogenous levels of total nSMase1 protein.				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ala200 of human nSMase1.				
Background		phosphocholine (1). C cell proliferation, apo categorized based on localization (1). These membrane-bound Mg SMase. nSMase1 (also termed predominantly localiz lyso-platelet activatin termed SMPD3) is pre by oxidative stress, ch Analysis of single and	deramide is an important their optimum pH include a lysosoma p++-dependent neuron d SMPD2) is a Mg++ ded to the endoplasing factor (PAF) phose dominantly expresion therapeutic drill double knockouts	e hydrolysis of sphingon ortant bioactive lipid trig- ciation (1,2). A number of activity, cation depende al acid SMase, a Zn ⁺⁺ -dep cral SMase, a Mg ⁺⁺ -indep dependent neutral SMa mic reticulum (3,4). This obolipase C activity (5). A sed in the brain (6). The ugs, inflammatory cytok of the SMPD2 and SMPD activity with developmen	gering signal transor f SMases have beer nce, tissue distribut bendent secreted ac bendent neutral SM se that is widely exp protein has also be a second neutral SM activity of neutral S kines, and apoptotic 33 has revealed that	duction involved in a described and cion, and subcellular cid SMase, a ase, and an alkaline pressed and en shown to have lase, nSMase2 (also Mases is regulated a stimuli (1).
Background Refe	rences	 Marchesini, N. and Hannun, Y.A. (2004) Biochem Cell Biol 82, 27-44. Ruvolo, P.P. (2001) Leukemia 15, 1153-60. Tomiuk, S. et al. (1998) Proc Natl Acad Sci U S A 95, 3638-43. Tomiuk, S. et al. (2000) J Biol Chem 275, 5710-7. Sawai, H. et al. (1999) J Biol Chem 274, 38131-9. Hofmann, K. et al. (2000) Proc Natl Acad Sci U S A 97, 5895-900. Zumbansen, M. and Stoffel, W. (2002) Mol Cell Biol 22, 3633-8. Stoffel, W. et al. (2005) Proc Natl Acad Sci U S A 102, 4554-9. 				
Species Reactivit	v	Species reactivity is d	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 BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key W: Western Blotting

Cross-Reactivity Key H: Human Mk: Monkey

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