

## **ASM Antibody**



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

Applications: W	Reactivity: H	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 57, 70	Source/Isotype: Rabbit	UniProt ID: #P17405	Entrez-Gene Id: 6609
Product Usage Information		<b>Application</b> Western Blotting			<b>Dilution</b> 1:1000	
<b>Storage</b> Supplied in 10 mM sodium HEPES (20°C. Do not aliquot the antibody.				5), 150 mM NaCl, 100 μg	/ml BSA and 50% gl	ycerol. Store at –
Specificity/Sensitivity		ASM Antibody detects endogenous levels of total human ASM protein.				
Species predicted to react based on 100% sequence homology		Monkey				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues at the carboxyl terminus of human ASM. Antibody was purified by protein A and peptide affinity chromatography.				
Background		phosphocholine (1). C cell proliferation, apop categorized based on localization (1). These membrane-bound Mg SMase. Acid sphingomyelinas sphingomyelin to cera and ASM-3, of which A form as well as a 57 k	eramide is an imporptosis and different their optimum pH include a lysosoma g <sup>++</sup> -dependent neur se (ASM or SMPD1) amide and phosphor ASM-1 is the only ca Da proteoytic prod	e hydrolysis of sphingom irtant bioactive lipid trigg diation (1,2). A number of activity, cation depender al acid SMase, a Zn <sup>++</sup> -deperal SMase, a Mg <sup>++</sup> -indeperal SMase, a Mg <sup>++</sup> -indeperal SMase. The ASM general trigger of the distriction of ASM ne are associated with type of the distriction of ASM ne are associated with type of the distriction of ASM ne are associated with type of the distriction of ASM ne are associated with type of the distriction of ASM ne are associated with type of the distriction of ASM ne are associated with type of the distriction of ASM ne are associated with type of the distriction of ASM ne are associated with type of the distriction of ASM ne are associated with type of the distriction of ASM ne are associated with type of the distriction of the dist	gering signal transor SMases have been nce, tissue distribut endent secreted ac endent neutral SMa esponsible for the h encodes three proto (3,4). ASM-1 can ex M is induced during	duction involved in described and ion, and subcellular did SMase, a ase, and an alkaline ydrolysis of eins, ASM-1, ASM-2, kist as a 70 kDa monocytic cell
Background References		1. Marchesini, N. and Hannun, Y.A. (2004) <i>Biochem Cell Biol</i> 82, 27-44. 2. Ruvolo, P.P. (2001) <i>Leukemia</i> 15, 1153-60. 3. Quintern, L.E. et al. (1989) <i>EMBO J</i> 8, 2469-73. 4. Schuchman, E.H. et al. (1991) <i>J Biol Chem</i> 266, 8531-9. 5. Ferlinz, K. et al. (1994) <i>Biochem J</i> 301 ( Pt 3), 855-62. 6. Langmann, T. et al. (1999) <i>J Lipid Res</i> 40, 870-80. 7. Levran, O. et al. (1991) <i>Proc Natl Acad Sci USA</i> 88, 3748-52.				
Species Reactiv	rity	Species reactivity is de	etermined by testir	g in at least one approve	ed application (e.g.,	western blot).
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

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