#32346 Store at -20C

SPHK2 (D2V3G) Rabbit mAb



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

Applications: WB, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 75	Source/Isotype: Rabbit IgG	UniProt ID: #Q9NRA0	Entrez-Gene Id: 56848
Product Usage Information	Ap	Application		Dilution		
	We	estern Blotting		1:1000		
	Im	munoprecipitation		1:50		
Storage		plied in 10 mM sodi 2% sodium azide. S	***	μg/ml BSA, 50% glyc /.	erol and less than	
Specificity / Sensi	tivity SPI	SPHK2 (D2V3G) Rabbit mAb recognizes endogenous levels of total SPHK2 protein.				
Source / Purificati		noclonal antibody is dues surrounding G	,	nunizing animals with a s SPHK2 protein.	synthetic peptide corre	esponding to
Background	Sphingosine kinases (SPHKs) catalyze the phosphorylation of sphingosine to form sphingosine-1-phosphate (S1P), a lipid mediator with both intra- and extracellular functions. Together with other sphingolipid metabolizing enzymes, SPHKs regulate the balance of the lipid mediators, ceramide, sphingosine, and S1P (1-4). Two distinct SPHK isoforms, SPHK1 and SPHK2, have been cloned and characterized (5,6). SPHK1 and SPHK2 are highly conserved and diversely expressed (7,8). The SPHKs are activated by G protein-coupled receptors, receptor tyrosine kinases, immunoglobulin receptors, cytokines, and other stimuli (9-12). The molecular mechanisms by which SPHK1 and SPHK2 are specifically regulated are complex and only partially understood.					
Background Refe	2. X 3. H 4. F 5. K 6. L 7. L 8. S 9. A 10. S 11. A	ia, P. et al. (2000) Clannun, Y.A. et al. (2 uterman, A.H. and Fohama, T. et al. (19 iu, H. et al. (2000) J iu, H. et al. (2002) F piegel, S. and Milsti lemany, R. et al. (20 aba, J.D. and Hla, 1	Curr Biol 10, 1527, 2001) Biochemisti Riezman, H. (200 98) J Biol Chem 275, Prog Nucleic Acid ien, S. (2003) Na 207) Naunyn Sch T. (2004) Circ Res, J. (2004) J Biol	y 40, 4893-903. 6) Trends Cell Biol 15, 312-8. 173, 23722-8. 19513-20. Res Mol Biol 71, 493-511. Rev Mol Cell Biol 4, 397-407. niedebergs Arch Pharmacol 374, 413-28. 94, 724-34. Chem 279, 20555-8.		

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

WB: Western Blotting IP: Immunoprecipitation

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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Limited Uses

SPHK2 (D2V3G) Rabbit mAb (#32346) Datasheet Without Images Cell Signaling Technology

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