#3530 Store at -20C

SDF1/CXCL12 (D32F9) Rabbit



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Applications: WB, IP	Reactivity: H M R	Sensitivity: Recombinant protein	MW (kDa): 9	Source/Isotype: Rabbit IgG	UniProt ID: #P48061	Entrez-Gene Id: 6387	
Product Usage Information	Application			Dilution			
	We	estern Blotting		1:1000			
	Imi	munoprecipitation		1:50			
Storage	•	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.					
Specificity / Sensitivity		SDF1/CXCL12 (D32F9) Rabbit mAb detects recombinant SDF1/CXCL12 protein.					
Source / Purificatio	Monoclonal antibody is produced by immunizing animals with a synthetic peptide correst carboxy-terminal residues of human SDF1/CXCL12.				esponding to		
Background	that cou hum of C Mar Alte (SD	The stromal cell derived factor 1 (SDF1/CXCL12) is a small, pro-inflammatory chemoattractant cytokine that regulates leukocyte trafficking through interactions with its cognate 7-transmembrane G protein-coupled receptors (1). The SDF1/CXCL12 receptor, CXCR4, also serves as a coreceptor for the entry of human immunodeficiency virus into target cells (2). SDF1/CXCL12 may regulate homing and maintenance of CXCR4-expressing stem or progenitor cells, including embryonic and many somatic stem cells (3,4). Many cancer cells express CXCR4, suggesting that SDF1/CXCL12 plays a role in cancer metastasis (5,6). Alternative splicing and differential processing during maturation produce a pair of SDF1/CXCL12 isoforms (SDF1/CXCL12 α and SDF1/CXCL12 β) that have different properties and biological activities (7). Additional isoforms of SDF1/CXCL12 have been reported (8,9).					
1. Maekawa, T. and Ishii, T. (2000) Intern 2. Ray, N. and Doms, R.W. (2006) Curr T. 3. Sugiyama, T. et al. (2006) Immunity 25 4. Ara, T. et al. (2003) Immunity 19, 257-6 5. Kucia, M. et al. (2004) J Mol Histol 35, 6. Ratajczak, M.Z. et al. (2006) Leukemia 7. De La Luz Sierra, M. et al. (2004) Bloo 8. Gleichmann, M. et al. (2000) Eur J Neu 9. Yu, L. et al. (2006) Gene 374, 174-9.				Top Microbiol Immunol 303, 97-120. 5, 977-88. 67. , 233-45. a 20, 1915-24. od 103, 2452-9.			

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 BSA, 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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