SDF1/CXCL12 (D32F9) Rabbit mAb



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Applications: W, 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 Western Blotting Immunoprecipitation		Dilution 1:1000 1:50		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/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 / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to carboxy-terminal residues of human SDF1/CXCL12.				
Background		that regulates leukocy coupled receptors (1). human immunodeficie maintenance of CXCR4 stem cells (3,4). Many metastasis (5,6). Alterr SDF1/CXCL12 isoforms	rived factor 1 (SDF1/CXCL12) is a small, pro-inflammatory chemoattractant cytokine ocyte trafficking through interactions with its cognate 7-transmembrane G protein-(1). The SDF1/CXCL12 receptor, CXCR4, also serves as a coreceptor for the entry of ficiency virus into target cells (2). SDF1/CXCL12 may regulate homing and CR4-expressing stem or progenitor cells, including embryonic and many somatic ny cancer cells express CXCR4, suggesting that SDF1/CXCL12 plays a role in cancer ternative splicing and differential processing during maturation produce a pair of rms (SDF1/CXCL12q and SDF1/CXCL12β) that have different properties and biological onal isoforms of SDF1/CXCL12 have been reported (8,9).			
Background Re	eferences	 Maekawa, T. and Ishii, T. (2000) Intern Med 39, 90-100. Ray, N. and Doms, R.W. (2006) Curr Top Microbiol Immunol 303, 97-120. Sugiyama, T. et al. (2006) Immunity 25, 977-88. Ara, T. et al. (2003) Immunity 19, 257-67. Kucia, M. et al. (2004) J Mol Histol 35, 233-45. Ratajczak, M.Z. et al. (2006) Leukemia 20, 1915-24. De La Luz Sierra, M. et al. (2004) Blood 103, 2452-9. Gleichmann, M. et al. (2000) Eur J Neurosci 12, 1857-66. Yu, L. et al. (2006) Gene 374, 174-9. 				

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 W: Western Blotting IP: Immunoprecipitation

Cross-Reactivity Key H: Human M: Mouse R: Rat

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