

Anti-SDF1 CXCL12 Rabbit Monoclonal Antibody

Catalog Number: M00053

About CXCL12

Phosphoinositide-3-kinase (PI3K) that phosphorylates PtdIns (Phosphatidylinositol), PtdIns4P (Phosphatidylinositol 4-phosphate) and PtdIns (4,5) P2 (Phosphatidylinositol 4,5-bisphosphate) to generate phosphatidylinositol 3,4,5-trisphosphate (PIP3) . PIP3 plays a key role by recruiting PH domain-containing proteins to the membrane, including AKT1 and PDK1, activating signaling cascades involved in cell growth, survival, proliferation, motility and morphology. Participates in cellular signaling in response to various growth factors.

Overview

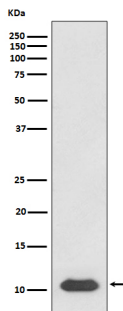
Product Name	Anti-SDF1 CXCL12 Rabbit Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-SDF1 CXCL12 Rabbit Monoclonal Antibody catalog # M00053. Tested in WB, ICC/IF applications. This antibody reacts with Human.
Application	IF, ICC, WB
Clonality	Monoclonal IFO-3
Formulation	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P48061

Technical Details

Immunogen	A synthesized peptide derived from human SDF1
Isotype	Rabbit IgG
Form	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:
WB 1:1000-1:5000
ICC/IF 1:50-1:200

Anti-SDF1 CXCL12 Rabbit Monoclonal Antibody (M00053) Images



Western blot analysis of SDF1 expression in Jurkat cell lysate.

8 Publications Citing This Product

1. PubMed ID: 18983683, Chemokine CXCL12 and its receptor CXCR4 expression are associated with perineural invasion of prostate cancer
2. PubMed ID: 25866764, Zhang W, Wang X, Yue K, Liu S, Liu X. Biomed Res Int. 2015;2015:195828. Doi: 10.1155/2015/195828. Epub 2015 Mar 19. Construction Of A Cxcl12-Kdel Fusion Gene To Inhibit Head And Neck Squamous Cell Carcinoma Metastasis By Intracellular Sequestratio...
3. PubMed ID: 24912495, Tacrolimus promotes hepatocellular carcinoma and enhances CXCR4/SDF-1? expression?in vivo

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