

Anti-Src Rabbit Monoclonal Antibody

Catalog Number: M00107

About SRC

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-Src Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Src Rabbit Monoclonal Antibody catalog # M00107. Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, IF, IHC, ICC, WB
Clonality	Monoclonal III-19
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	P12931

Technical Details

Immunogen	A synthesized peptide derived from human Src
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 1:1000-1:2000

IHC 1:50-1:200

ICC/IF 1:50-1:200

FC 1:50

Anti-Src Rabbit Monoclonal Antibody (M00107) Images

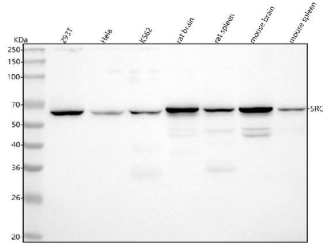


Figure 1. Western blot analysis of Src using anti-Src antibody (M00107).

Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human 293T whole cell lysates,

Lane 2: human Hela whole cell lysates,

Lane 3: human K562 whole cell lysates,

Lane 4: rat brain tissue lysates,

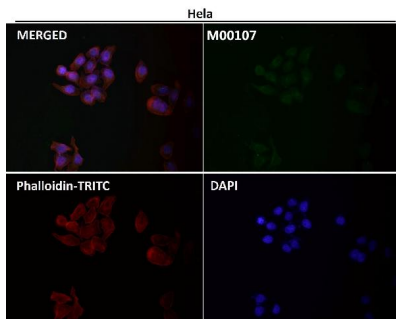
Lane 5: rat spleen tissue lysates,

Lane 6: mouse brain tissue lysates,

Lane 7: mouse brain tissue lysates.

After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes.

Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Src antigen affinity purified monoclonal antibody (Catalog # M00107) at 1:1000 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for Src at approximately 60 kDa. The expected band size for Src is at 60 kDa.



Immunofluorescent analysis using the Antibody at 1:50 dilution.

1 Publications Citing This Product

1. PubMed ID: 25605242, Zhang Qq, Zhou DL, Lei Y, Zheng L, Chen Sx, Gou HJ, Gu QL, He Xd, Lan T, Qi CL, Li Jc, Ding Yq, Qiao L, Wang LJ. Oncotarget. 2015 Feb 20;6(5):3123-35. Slit2/Robo1 Signaling Promotes Intestinal Tumorigenesis Through Src-Mediated Activation Of The W...

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