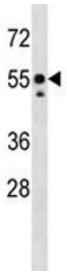
Src Antibody (F45526)

Catalog No.	Formulation	Size
F45526-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F45526-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P05480
Applications	Western blot: 1:1000
Limitations	This Src antibody is available for research use only.



Src antibody western blot analysis in mouse liver tissue lysate.

Description

Non-receptor protein tyrosine kinase that plays pivotal roles in numerous cellular processes such as proliferation, migration, and transformation. In concert with PTK2B, plays an important role in osteoclastic bone resorption. Both the formation of a SRC-PTK2B complex, and SRC kinase activity are necessary for this function. Once it is recruited to the activated integrins, by PTK2B, it phosphorylates CBL which in turn induces the activation and recruitment of phosphatidylinositol 3-kinase to the cell membrane in a signaling pathway that is critical for osteoclast function. Promotes energy production in osteoclasts by activating mitochondrial cytochrome C oxidase. Phosphorylates RUNX3 and COX2 on tyrosine residues, TNK2 on 'Tyr-284' and CBL on 'Tyr-731'. Enhances DDX58/RIG-I-elicited antiviral signaling.

For additional validation of SRC expression across human and rodent samples, including knockout-controlled Western blot analysis, see our Src Antibody III-19.

Application Notes

Titration of the Src antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 98-125 from the mouse protein was used as the immunogen for this Src antibody.

Storage

Aliquot the Src antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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