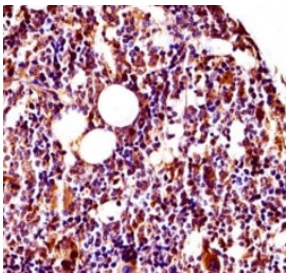
Lyn Antibody (F44015)

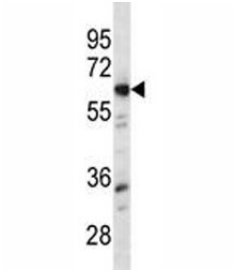
Catalog No.	Formulation	Size
F44015-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F44015-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

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	P25911
Localization	Cytoplasmic, nuclear, cell membrane
Applications	Western blot: 1:1000 IHC (Paraffin): 1:10-1:50
Limitations	This Lyn antibody is available for research use only.



Lyn antibody immunohistochemistry analysis in formalin fixed and paraffin embedded mouse bone (femur).



Lyn antibody western blot analysis in mouse bladder tissue lysate. Predicted molecular weight ~58 kDa.

Description

Lyn acts as a positive regulator of cell movement while negatively regulating adhesion to stromal cells by inhibiting the ICAM-1-binding activity of beta-2 integrins. Acts as the mediator that relays suppressing signals from the chemokine receptor CXCR4 to beta-2 integrin LFA-1 in hematopoietic precursors. Involved in induction of stress-activated protein kinase (SAPK), but not ERK or p38 MAPK, in response to genotoxic agents. Induces SAPK by a MKK7-and MEKK1-dependent mechanism. The LYN -> MEKK1 -> MKK7 -> SAPK pathway is functional in the induction of apoptosis by genotoxic agents (By similarity). Down regulates expression of stem cell growth factor receptor (KIT). Acts as an effector of EpoR (erythropoietin receptor) in controlling KIT expression and may play a central role in erythroid differentiation during the switch between proliferation and maturation.

Application Notes

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

Immunogen

A portion of amino acids 1-30 from the mouse protein was used as the immunogen for this Lyn antibody.

Storage

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

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