

Datasheet for ABIN3029563
anti-LYN antibody (AA 1-30)



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3 Images

Overview

Quantity:	0.4 mL
Target:	LYN
Binding Specificity:	AA 1-30
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LYN antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	A portion of amino acids 1-30 from the mouse protein was used as the immunogen for this Lyn antibody.
Isotype:	Ig Fraction
Purification:	Antigen affinity purified

Target Details

Target:	LYN
Alternative Name:	Lyn (LYN Products)
Background:	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

Target Details

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.

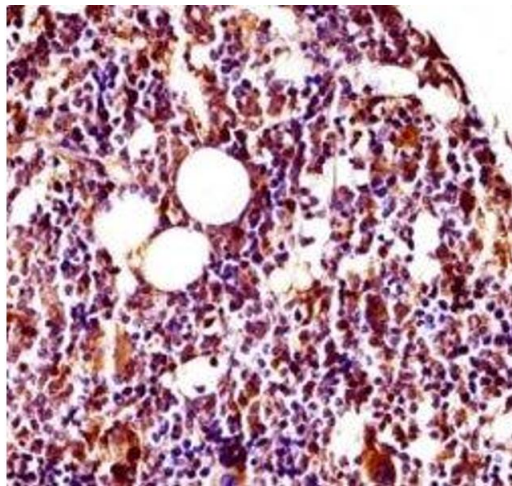
UniProt:	P25911
Pathways:	Fc-epsilon Receptor Signaling Pathway , Hormone Transport , Response to Growth Hormone Stimulus , Cellular Response to Molecule of Bacterial Origin , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , CXCR4-mediated Signaling Events , Thromboxane A2 Receptor Signaling , Integrin Complex , BCR Signaling

Application Details

Application Notes:	Titration of the Lyn antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:10-1:50
Restrictions:	For Research Use only

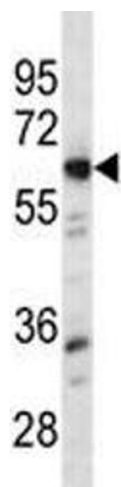
Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the Lyn antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



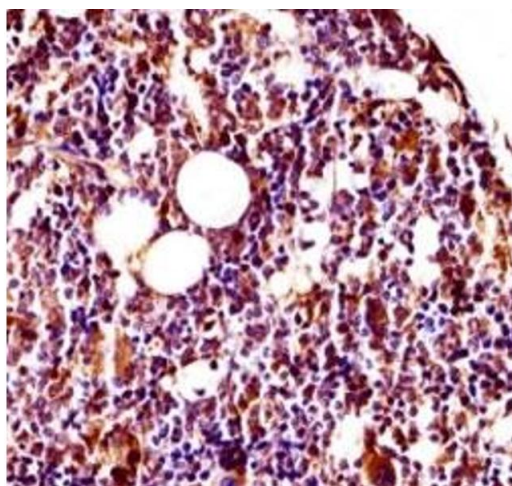
Immunohistochemistry

Image 1. Lyn antibody immunohistochemistry analysis in formalin fixed and paraffin embedded mouse bone (femur).



Western Blotting

Image 2. Lyn antibody western blot analysis in mouse bladder tissue lysate.



Immunohistochemistry

Image 3. Lyn antibody immunohistochemistry analysis in formalin fixed and paraffin embedded mouse bone (femur).