

Rabbit Lyn Polyclonal Antibody | anti-Lyn antibody

Mouse Lyn Antibody (Center)

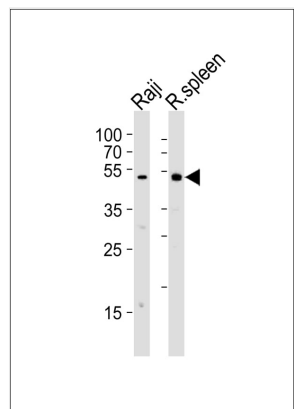
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289718	Rabbit	Human, mouse, rat	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

Lyn; Polyclonal Antibody; Mouse Lyn Antibody (Center); Tyrosine-protein kinase Lyn; V-yes-1 Yamaguchi sarcoma viral related oncogene homolog; p53Lyn; p56Lyn; anti-Lyn antibody

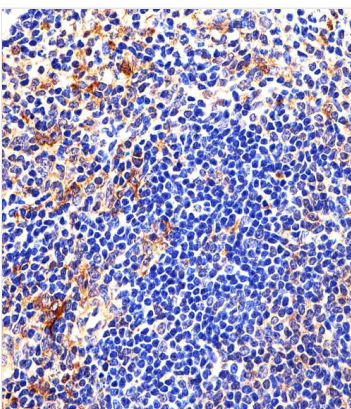
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse, rat
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Mouse Lyn antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 229-263 amino acids from the Central region of human Mouse Lyn.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Length	491
Applicable Applications for anti-Lyn antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



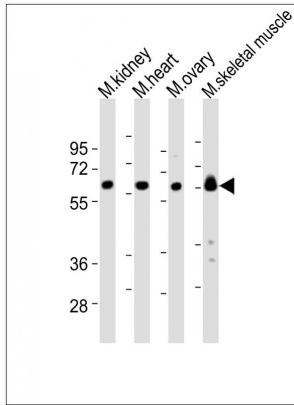
WB (Western Blot)

Western blot analysis of lysates from Raji cell line and rat spleen tissue lysate(from left to right), using Mouse Lyn Antibody (Center). AAA289718 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded M.spleen section using Mouse Lyn Antibody (Center). NA was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



WB (Western Blot)

All lanes : Anti-Lyn Antibody (Center) at 1:2000 dilutionLane 1: mouse kidney lysatesLane 2: mouse heart lysatesLane 3: mouse ovary lysatesLane 4: mouse skeletal muscle lysatesLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilutionPredicted band size : 59 kDaBlocking/Dilution buffer: 5% NFDM/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-Lyn antibody	Non-receptor tyrosine-protein kinase that transmits signals from cell surface receptors and plays an important role in the regulation of innate and adaptive immune responses, hematopoiesis, responses to growth factors and cytokines, integrin signaling, but also responses to DNA damage and genotoxic agents. Functions primarily as negative regulator, but can also function as activator, depending on the context. Required for the initiation of the B-cell response, but also for its down- regulation and termination. Plays an important role in the regulation of B-cell differentiation, proliferation, survival and apoptosis, and is important for immune self-tolerance. Acts downstream of several immune receptors, including the B-cell receptor, CD79A, CD79B, CD5, CD19, CD22, FCER1, FCGR2, FCGR1A, TLR2 and TLR4. Plays a role in the inflammatory response to bacterial lipopolysaccharide. Mediates the responses to cytokines and growth factors in hematopoietic progenitors, platelets, erythrocytes, and in mature myeloid cells, such as dendritic cells, neutrophils and eosinophils. Acts downstream of EPOR, KIT, MPL, the chemokine receptor CXCR4, as well as the receptors for IL3, IL5 and CSF2. Plays an important role in integrin signaling. Regulates cell proliferation, survival, differentiation, migration, adhesion, degranulation, and cytokine release. Down- regulates signaling pathways by phosphorylation of immunoreceptor tyrosine-based inhibitory motifs (ITIM), that then serve as binding sites for phosphatases, such as PTPN6/SHP-1, PTPN11/SHP-2 and INPP5D/SHIP-1, that modulate signaling by dephosphorylation of kinases and their substrates. Phosphorylates LIME1 in response to CD22 activation. Phosphorylates BTK, CBL, CD5, CD19, CD72, CD79A, CD79B, CSF2RB, DOK1, HCLS1, LILRB3/PIR-B, MS4A2/FCER1B, PTK2B/PYK2, SYK and TEC. Promotes phosphorylation of SIRPA, PTPN6/SHP-1, PTPN11/SHP-2 and INPP5D/SHIP-1. Required for rapid phosphorylation of FER in response to FCER1 activation. Mediates KIT phosphorylation. Acts as an effector of EPOR (erythropoietin receptor) in controlling KIT expression and may play a role in erythroid differentiation during the switch between proliferation and maturation. Depending on the context, activates or inhibits several signaling cascades. Regulates phosphatidylinositol 3- kinase activity and AKT1 activation. Regulates activation of the MAP kinase signaling cascade, including activation of MAP2K1/MEK1, MAPK1/ERK2, MAPK3/ERK1, MAPK8/JNK1 and MAPK9/JNK2. Mediates activation of STAT5A and/or STAT5B. Phosphorylates LPXN on 'Tyr- 72'.
Product Categories/Family for anti-Lyn antibody	Signal Transduction
References	Stanley E.,et al.Mol. Cell. Biol. 11:3399-3406(1991). Yi T.,et al.Mol. Cell. Biol. 11:2391-2398(1991). Wilks A.F.,et al.Gene 85:67-74(1989). Yamanashi Y.,et al.Science 251:192-194(1991). Clark M.R.,et al.EMBO J. 13:1911-1919(1994).

NCBI AND UNIPROT INFORMATION

NCBI GI #	161760636
NCBI GeneID	17096
NCBI Accession #	NP_001104566.1
NCBI GenBank Nucleotide #	NM_001111096.1
UniProt Accession #	P25911 ; Q62127
Molecular Weight	58812
NCBI Official Full Name	tyrosine-protein kinase Lyn isoform A
NCBI Official Synonym Full Names	Yamaguchi sarcoma viral (v-yes-1) oncogene homolog
NCBI Official Symbol	Lyn
NCBI Official Synonym Symbols	Hck-2; p53Lyn; p56Lyn; AA407514
NCBI Protein Information	tyrosine-protein kinase Lyn
UniProt Protein Name	Tyrosine-protein kinase Lyn
UniProt Gene Name	Lyn
UniProt Entry Name	LYN_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/lyn-antibody-immunohistochemistry-western-blot-elisa/289718>