

Anti-Lyn Antibody

ER1912-57



Product Type:	Rabbit polyclonal IgG, primary antibodies
Species reactivity:	Human, Mouse, Rat
Applications:	WB, IHC-P, IF-Tissue
Molecular Wt:	58 KDa

Description: 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. 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. 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. 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.

Immunogen: KLH conjugated synthetic peptide derived from human Lyn 201-300/512

Positive control: Detected in monocytes (at protein level). Detected in placenta, and in fetal brain, lung, liver and kidney. Widely expressed in a variety of organs, tissues, and cell types such as epidermoid, hematopoietic, and neuronal cells. Expressed in primary neuroblastoma tumors.

Subcellular location: Cell membrane. Nucleus. Cytoplasm.

Database links: SwissProt: P07948 Human

Recommended Dilutions:

WB	1:500-2000
IHC-P	1:100-500
IF-tissue	1:100-500

Storage Buffer: 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

Storage Instruction: Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Purity: Protein A affinity purified.

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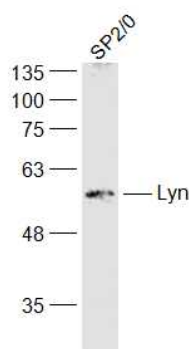
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Technical:0086-571-89986345

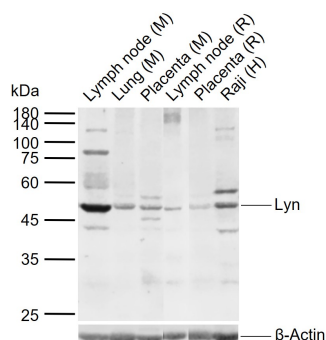
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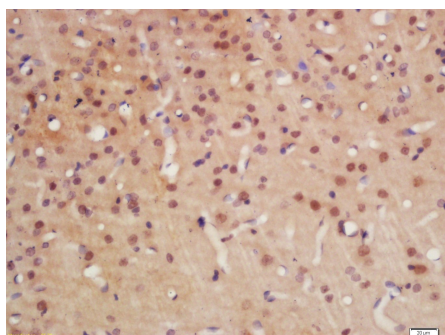
Images

**Fig1: Sample:**

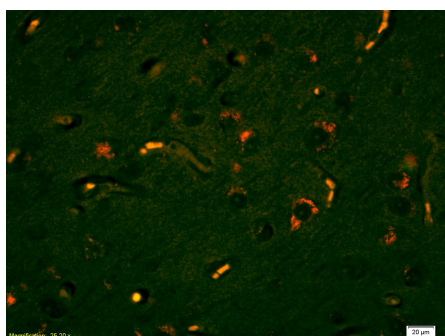
SP2/0(Mouse) Cell Lysate at 30 ug
 Primary: Anti-Lyn (ER1912-57) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 58 kD
 Observed band size: 58 kD

**Fig2: Sample:**

Lane 1: Mouse Lymph node tissue lysates
 Lane 2: Mouse Lung tissue lysates
 Lane 3: Mouse Placenta tissue lysates
 Lane 4: Rat Lymph node tissue lysates
 Lane 5: Rat Placenta tissue lysates
 Lane 6: Human Raji cell lysates
 Primary: Anti-Lyn (ER1912-57) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 58 kDa
 Observed band size: 50 kDa

**Fig3: Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;**

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
 Incubation: Anti-Lyn Polyclonal Antibody, Unconjugated(ER1912-57) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

**Fig4: Tissue/cell: human glioma tissue;4% Paraformaldehyde-fixed and paraffin-embedded;**

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
 Incubation: Anti-Lyn Polyclonal Antibody, PE conjugated (ER1912-57-PE) 1:200, used at 1:200 dilution for 60 minutes at 37°C.
 Excitation wavelength: 488nm, 555nm; Emission wavelength: 578nm

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Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

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