

Lyn Polyclonal Antibody

Catalog No: YT2608

Reactivity: Human; Mouse; Rat

Applications: WB;IHC;IF;ELISA

Target: Lyn

Fields: >>Chemokine signaling pathway;>>NF-kappa B signaling pathway;>>Platelet

activation;>>B cell receptor signaling pathway;>>Fc epsilon RI signaling

pathway;>>Fc gamma R-mediated phagocytosis;>>Long-term

depression;>>Epithelial cell signaling in Helicobacter pylori infection;>>Kaposi sarcoma-associated herpesvirus infection;>>Epstein-Barr virus infection;>>Viral

carcinogenesis;>>Lipid and atherosclerosis

Gene Name: LYN

Protein Name: Tyrosine-protein kinase Lyn

P07948

P25911

Human Gene Id: 4067

Human Swiss Prot

No:

Mouse Gene Id: 17096

Mouse Swiss Prot

No:

Rat Gene Id: 81515

Rat Swiss Prot No: Q07014

Immunogen: The antiserum was produced against synthesized peptide derived from human

Lyn. AA range:463-512

Specificity: Lyn Polyclonal Antibody detects endogenous levels of Lyn protein.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.



Source: Polyclonal, Rabbit, IgG

Dilution : WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:5000.. IF 1:50-200

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 53,56kD

Cell Pathway: Chemokine;B_Cell_Antigen;Fc epsilon RI;Fc gamma R-mediated

phagocytosis;Long-term depression;Epithelial cell signaling in Helicobacter pylori

infection;

Background: This gene encodes a tyrosine protein kinase, which maybe involved in the

regulation of mast cell degranulation, and erythroid differentiation. Alternatively spliced transcript variants encoding different isoforms have been found for this

gene. [provided by RefSeq, Jul 2011],

Function : catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine

phosphate.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase

family. SRC subfamily., similarity: Contains 1 protein kinase

domain., similarity: Contains 1 SH2 domain., similarity: Contains 1 SH3

domain., subunit: Interacts with phosphorylated LIME1 and with CD79A upon BCR activation. Interacts with Epstein-Barr virus LMP2A. Interacts with TGFB1I1. Interaction, via the SH2 and SH3, domains with MUC1 is stimulated by IL7 and, the subsequent phosphorylation increases the binding between MUC1 and CTNNB1/beta-catenin. Interacts with PPP1R15A via the SH3 domain., tissue

specificity: Expressed in primary neuroblastoma tumors.,

Subcellular Location:

Cell membrane. Nucleus. Cytoplasm. Cytoplasm, perinuclear region. Golgi apparatus. Membrane; Lipid-anchor. Accumulates in the nucleus by inhibition of CRM1-mediated nuclear export. Nuclear accumulation is increased by inhibition of its kinase activity. The trafficking from the Golgi apparatus to the plasma membrane occurs in a kinase domain-dependent but kinase activity independent manner and is mediated by exocytic vesicular transport. Detected on plasma

membrane lipid rafts.

Expression: 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.

Tag: orthogonal

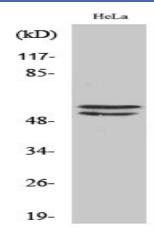
Sort : 9305

No4: 1

Host: Rabbit

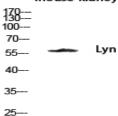
Modifications: Unmodified

Products Images



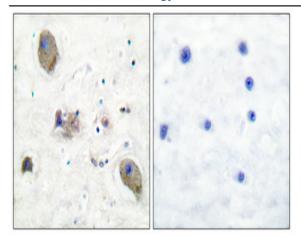
Western Blot analysis of various cells using Lyn Polyclonal Antibody diluted at 1:500

mouse-kidney

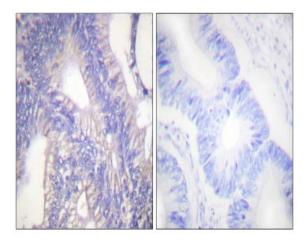


Western blot analysis of mouse-kidney lysis using Lyn antibody. Antibody was diluted at 1:500

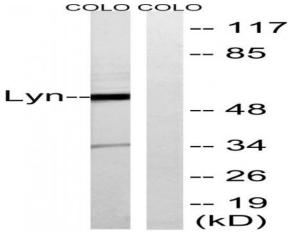
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Immunohistochemical analysis of paraffin-embedded Human breast cancer. Antibody was diluted at 1:100(4° overnight). Highpressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was preabsorbed by immunogen peptide.



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue, using Lyn Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from COLO cells, treated with H2O2 100uM 30', using Lyn Antibody. The lane on the right is blocked with the synthesized peptide.