

Rabbit Anti-Phospho-Lyn (Tyr507) antibody

SL3256R

Product Name:	Phospho-Lyn (Tyr507)
Chinese Name:	磷酸化膜相关蛋白酪氨酸激酶Lyn抗体
Alias:	Lyn (phospho Y507); Lyn (phospho Tyr507); p-Lyn (Tyr507); Lyn (phospho Y508); Lyn (phospho Tyr508); p-Lyn (Tyr508); Hck 2; JTK 8; JTK8; ONCOGENE LYN; Tyrosine protein kinase LYN; V yes 1 Yamaguchi sarcoma viral related oncogene homolog; Yamaguchi sarcoma viral (v yes 1) related oncogene homolog; AA407514; EC 2.7.10.2; FLJ26625; LYN_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep,Guinea Pig,Cat,Danio rerio
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100- 500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	57kDa
Cellular localization:	The nucleuscytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	lmg/ml
immunogen:	KLH conjugated synthesised phosphopeptide derived from human Lyn around the phosphorylation site of Tyr507:GQ(p-Y)QQ
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed

phosphorylated). Interacts with LIME1 and with CD79A upon activation of the B-cell antigen receptor. Interacts with the B-cell receptor complex. Interacts with phosphorylated THEMIS2. Interacts with EPOR (By similarity). Interacts with MS4A2/FCER1B. 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 Epstein-Barr virus LMP2A. Interacts with Herpes virus saimiri tyrosine kinase interacting protein (Tip). Interacts with ADAM15. Interacts with NDFIP2 and more weakly with NDFIP1. Interacts with FASLG. Interacts with KIT. Interacts with HCLS1. Interacts with FCGR2B. Interacts with FCGR1A; the interaction may be indirect. Interacts with CD19, CD22, CD79A and CD79B. Interacts (via SH3 domain) with PPP1R15A and PDE4A. Interacts with TGFB111. Interacts (via SH3 domain) with PIK3R1, the regulatory subunit of phosphatidylinositol 3-kinase; this interaction enhances phosphatidylinositol 3-kinase activity. Interacts with CSF2RB, the common subunit of the IL3, IL5 and CSF2 receptors. Interacts with PAG1; identified in a complex with PAG1 and STAT3. Interacts with ABL1. Interacts with PTPN6/SHP-1. Interacts (via SH3 domain) with SCIMP (via prolin-rich region). Interacts with LPXN (via LD motif 3) and the interaction is induced upon B-cell antigen receptor (BCR) activation.

Subcellular Location:

Cell membrane. Nucleus. Cytoplasm. Cytoplasm, perinuclear region. Golgi apparatus. Note=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.

Tissue Specificity:

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.

Post-translational modifications:

Note=Constitutively phosphorylated and activated in cells from a number of chronic myelogenous leukemia (CML) and acute myeloid leukemia (AML) patients. Mediates phosphorylation of the BCR-ABL fusion protein. Abnormally elevated expression levels or activation of LYN signaling may play a role in survival and proliferation of some types of cancer cells.

DISEASE:

Note=Constitutively phosphorylated and activated in cells from a number of chronic myelogenous leukemia (CML) and acute myeloid leukemia (AML) patients. Mediates phosphorylation of the BCR-ABL fusion protein. Abnormally elevated expression levels or activation of LYN signaling may play a role in survival and proliferation of some types of cancer cells.

Similarity:

Belongs to the protein kinase superfamily. Tyr protein kinase family. SRC subfamily. Contains 1 protein kinase domain. Contains 1 SH2 domain. Contains 1 SH3 domain.

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SWISS: P07948

Gene ID: 4067

Database links:

Entrez Gene: 4067Human

Entrez Gene: 17096Mouse

Entrez Gene: 81515Rat

Omim: 165120Human

SwissProt: P07948Human

SwissProt: P25911Mouse

SwissProt: Q07014Rat

Unigene: 491767Human

Unigene: 317331Mouse

Unigene: 4338Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

