

Lyn (Phospho Tyr508) Rabbit pAb

CatalogNo: YP0604 **Orthogonal Validated** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC, IF, ELISA

MW

- 53,56kD (Observed)

Isotype

- IgG

Storage

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

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

Recommended Dilution Ratios

WB 1:500-1:2000

IHC 1:100-1:300

ELISA 1:10000

IF 1:50-200

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen The antiserum was produced against synthesized peptide derived from human Lyn around the phosphorylation site of Tyr507. AA range:463-512

Specificity

Phospho-Lyn (Y508) Polyclonal Antibody detects endogenous levels of Lyn protein only when phosphorylated at Y508. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):GQyQQ

Target Information

Gene name LYN

Protein Name Tyrosine-protein kinase Lyn

Organism	Gene ID	UniProt ID
Human	4067 ;	P07948 ;
Mouse	17096 ;	P25911 ;
Rat	81515 ;	Q07014 ;

Cellular Localization

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.

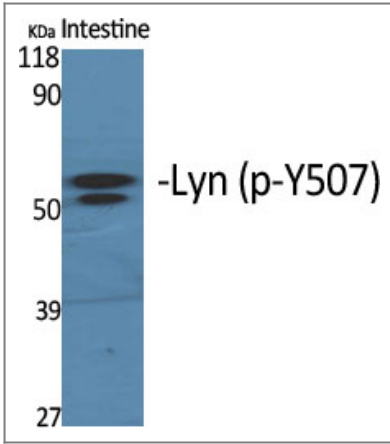
Tissue specificity

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.

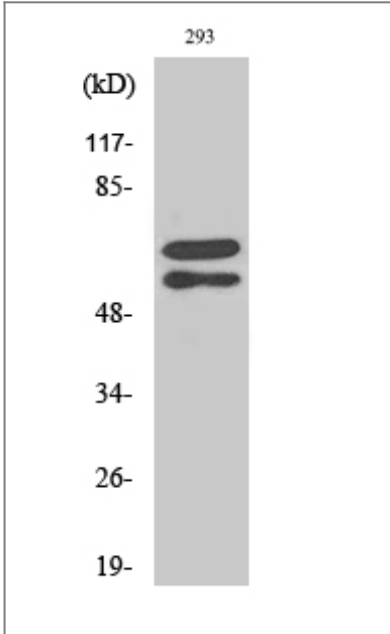
Function

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. ,

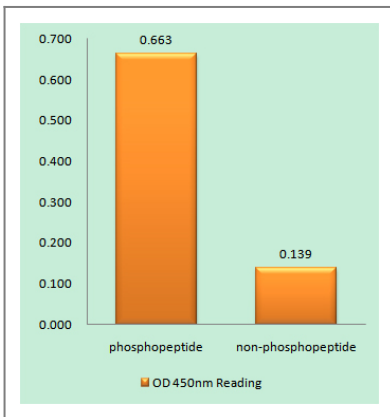
Validation Data



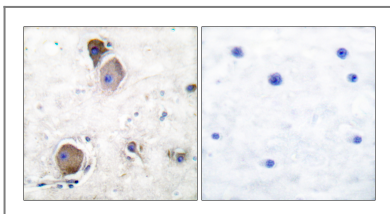
Western Blot analysis of various cells using Phospho-Lyn (Y508) Polyclonal Antibody diluted at 1:1000



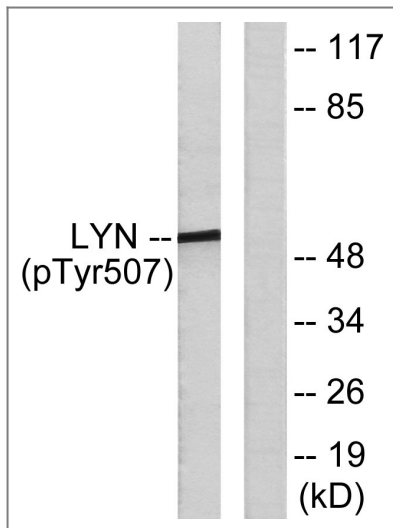
Western Blot analysis of 293 cells using Phospho-Lyn (Y508) Polyclonal Antibody diluted at 1:1000



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using Lyn (Phospho-Tyr507) Antibody



Immunohistochemistry analysis of paraffin-embedded human brain, using Lyn (Phospho-Tyr507) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from K562 cells treated with H₂O₂ 100uM 30', using Lyn (Phospho-Tyr507) Antibody. The lane on the right is blocked with the phospho peptide.

Contact information

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Please scan the QR code to access additional product information:
Lyn (Phospho Tyr508) Rabbit pAb

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