

Lyn (Phospho Tyr507) Rabbit pAb

CatalogNo: YP1389

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB

MW

- 58kD (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 1:1000-2000

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized phospho peptide around human Lyn (Tyr507)

Specificity This antibody detects endogenous levels of Human Mouse Lyn (phospho-Tyr507)

Target Information

Gene name LYN JTK8

Protein Name Lyn (Tyr507)

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 TGFB11. 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

| Contact information

Orders: order.cn@immunoway.com
Support: support.cn@immunoway.com
Telephone: 400-8787-807(China)
Website: http://www.immunoway.com.cn
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



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