

For Research Use Only

# LYN Polyclonal antibody

Catalog Number: 18135-1-AP 1 Publications



## Basic Information

**Catalog Number:**

18135-1-AP

**Size:**

400 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG12723

**GenBank Accession Number:**

BC075002

**GeneID (NCBI):**

4067

**UNIPROT ID:**

P07948

**Full Name:**

v-yes-1 Yamaguchi sarcoma viral related oncogene homolog

**Calculated MW:**

512 aa, 59 kDa

**Observed MW:**

53-56 kDa, 66-70 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:2000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

IF 1:20-1:200

## Applications

**Tested Applications:**

FC, IF/ICC, IHC, IP, WB, ELISA

**Cited Applications:**

IHC

**Species Specificity:**

human

**Cited Species:**

human

**Positive Controls:**

**WB:** HeLa cells, HL-60 cells, Jurkat cells, K-562 cells, L02 cells

**IP:** HeLa cells,

**IHC:** human kidney tissue, human hepatocirrhosis tissue

**IF:** HeLa cells,

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

LYN, also named as JTK8, p53Lyn and p56Lyn, belongs to the protein kinase superfamily, Tyr protein kinase family and SRC subfamily. It is a 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. LYN is a component of the mTOR (mammalian target of rapamycin) pathway.

## Notable Publications

Author	Pubmed ID	Journal	Application
Chonghua Jiang	35186945	Front Cell Dev Biol	IHC

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

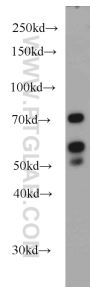
T: 4006900926

E: Proteintech-CN@ptglab.com

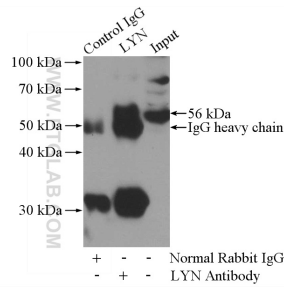
W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

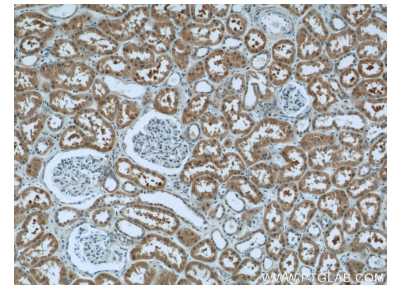
## Selected Validation Data



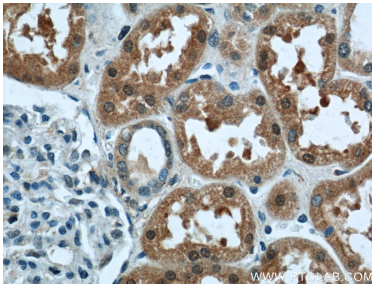
HeLa cells were subjected to SDS PAGE followed by western blot with 18135-1-AP (LYN antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



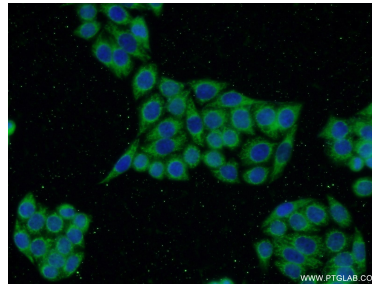
IP result of anti-LYN (IP:18135-1-AP, 4ug; Detection:18135-1-AP 1:1000) with HeLa cells lysate 1200ug.



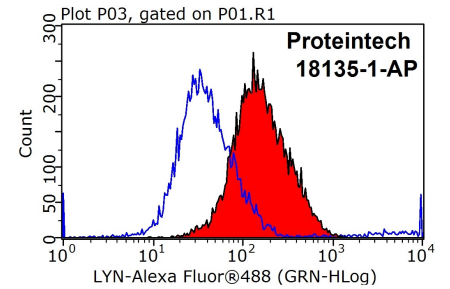
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 18135-1-AP (LYN Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 18135-1-AP (LYN Antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of HeLa cells using 18135-1-AP (LYN antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10<sup>6</sup> Jurkat cells were stained with 0.2ug LYN antibody (18135-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.