

For Research Use Only

# LYN Monoclonal antibody

Catalog Number: 60211-1-Ig 4 Publications



## Basic Information

**Catalog Number:**

60211-1-Ig

**Size:**

1500 µg/ml

**Source:**

Mouse

**Isotype:**

IgG2a

**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:**

56 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

3C7F2

**Recommended Dilutions:**

WB 1:500-1:2000

IHC 1:20-1:200

## Applications

**Tested Applications:**

IHC, WB, ELISA

**Cited Applications:**

WB, IHC

**Species Specificity:**

human, mouse

**Cited Species:**

human, mouse

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

**Positive Controls:**

WB : Jurkat cells, HeLa cells

IHC : human placenta tissue,

## 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
Deepavali Chakravarti	32958780	Nat Commun	WB
Li Xia	38095536	Cancer Res	WB
Nansong Xu	37734435	Life Sci	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:

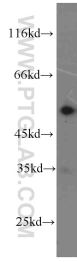
T: 4006900926

E: Proteintech-CN@ptglab.com

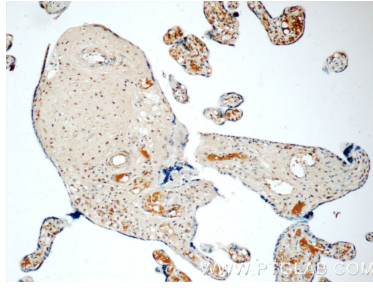
W: ptgcn.com

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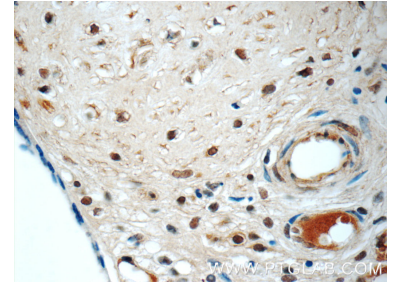
## Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 60211-1-Ig (LYN antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 60211-1-Ig (LYN Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 60211-1-Ig (LYN Antibody) at dilution of 1:50 (under 40x lens).