

For Research Use Only

LYN Monoclonal antibody

Catalog Number: 60211-1-Ig **8 Publications**



Basic Information

Catalog Number: 60211-1-Ig	GenBank Accession Number: BC075002	Purification Method: Protein A purification
Size: 1500 µg/ml	GeneID (NCBI): 4067	CloneNo.: 3C7F2
Source: Mouse	UNIPROT ID: P07948	Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200 IF/ICC 1:400-1:1600
Isotype: IgG2a	Full Name: v-src-1 Yamaguchi sarcoma viral related oncogene homolog	
Immunogen Catalog Number: AG12723	Calculated MW: 512 aa, 59 kDa	
	Observed MW: 56 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls: WB : Jurkat cells, HeLa cells
Cited Applications: WB, IHC	IHC : human placenta tissue,
Species Specificity: human, mouse	IF/ICC : HepG2 cells,
Cited Species: human, mouse, rabbit	
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
Deepavali Chakravarti	32958780	Nat Commun	WB
Xinyu Wu	39080495	EMBO Mol Med	WB
Shuoer Wang	38871245	Cancer Lett	WB

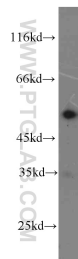
Storage

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

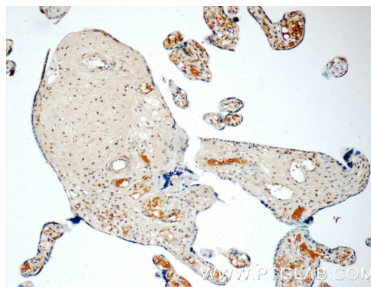
For technical support and original validation data for this product please contact:
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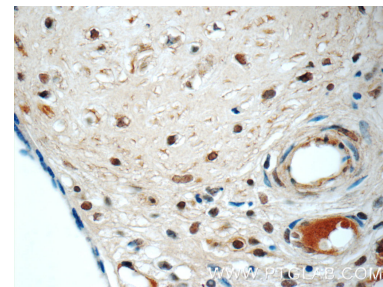
Selected Validation Data



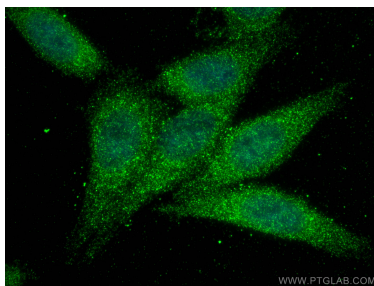
Jurkat cells were subjected to SDS PAGE followed by western blot with 60211-1-Ig (LYN antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using LYN antibody (60211-1-Ig, Clone: 3C7F2) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).