

For Research Use Only

FYN Monoclonal antibody, PBS Only

Catalog Number: 66606-1-PBS

Featured Product



Basic Information

Catalog Number:

66606-1-PBS

Size:

1mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG11127

GenBank Accession Number:

BC032496

GeneID (NCBI):

2534

UNIPROT ID:

P06241

Full Name:

FYN oncogene related to SRC, FGR,

YES

Calculated MW:

537aa, 61 kDa; 482aa, 55 kDa

Observed MW:

60 kDa

Purification Method:

Protein G purification

CloneNo.:

1G4B1

Applications

Tested Applications:

WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

FYN, also named as p59-Fyn and SLK, belongs to the protein kinase superfamily, Tyr protein kinase family and SRC subfamily. FYN is implicated in the control of cell growth. It plays a role in the regulation of intracellular calcium levels, with isoform 2 showing the greater ability to mobilize cytoplasmic calcium in comparison to isoform 1. FYN is required in brain development and mature brain function with important roles in the regulation of axon growth, axon guidance, and neurite extension. FYN blocks axon outgrowth and attraction induced by NTN1 by phosphorylating its receptor DDC.

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

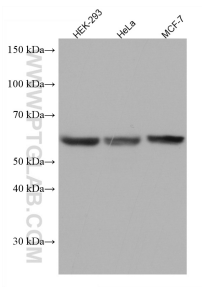
T: 4006900926

E: Proteintech-CN@ptglab.com

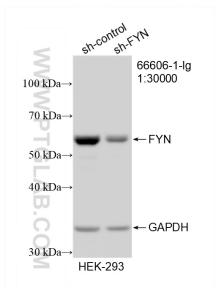
W: ptgcn.com

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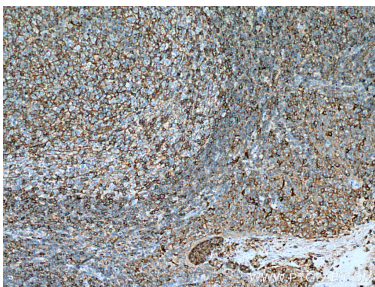
Selected Validation Data



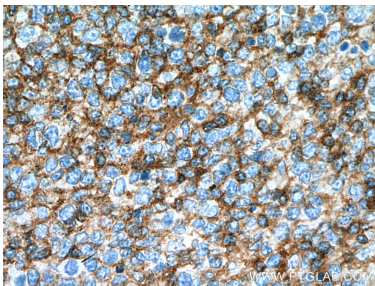
Various lysates were subjected to SDS PAGE followed by western blot with 66606-1-Ig (FYN antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66606-1-PBS in a different storage buffer formulation.



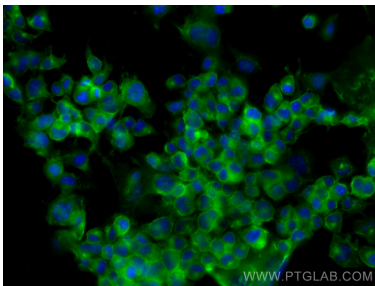
WB result of FYN antibody (66606-1-Ig; 1:30000; incubated at room temperature for 1.5 hours) with sh-Control and sh-FYN transfected HEK-293 cells. This data was developed using the same antibody clone with 66606-1-PBS in a different storage buffer formulation.



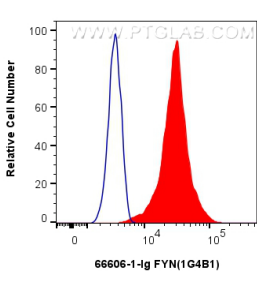
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66606-1-Ig (FYN antibody) at dilution of 1:5000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66606-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66606-1-Ig (FYN antibody) at dilution of 1:5000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66606-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed Neuro-2a cells using FYN antibody (66606-1-Ig, Clone: 1G4B1) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66606-1-PBS in a different storage buffer formulation.



1x10⁶ HeLa cells were intracellularly stained with 0.25 ug FYN Monoclonal antibody (66606-1-Ig, Clone:1G4B1) and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1)(red), or 0.25 ug Mouse IgG1 isotype control Mouse McAb (66360-1-Ig, Clone: 1F8D3) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 66606-1-PBS in a different storage buffer