

For Research Use Only

# FYN Monoclonal antibody, PBS Only

Catalog Number: 66606-1-PBS

Featured Product



## Basic Information

**Catalog Number:**

66606-1-PBS

**Size:**

1 mg/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, IF, IHC, 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:

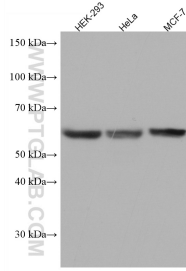
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

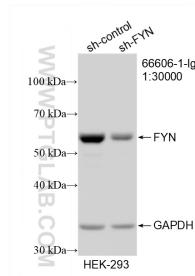
W: [ptgcn.com](http://ptgcn.com)

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

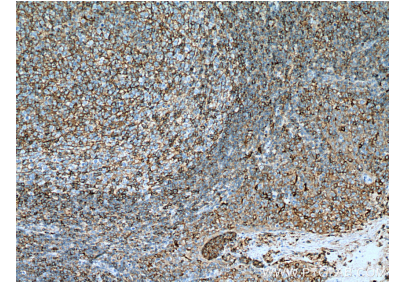
## Selected Validation Data



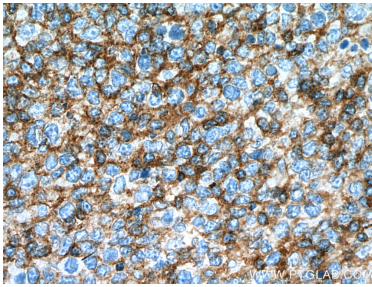
Various lysates were subjected to SDS PAGE followed by western blot with 66606-1-Ig (FYN antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66606-1-PBS in a different storage buffer formulation.



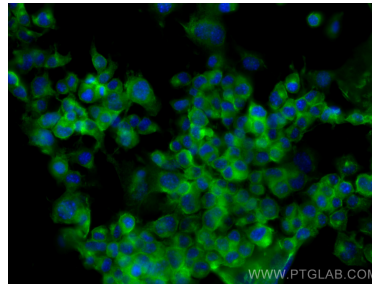
WB result of FYN antibody (66606-1-Ig; 1:30000; incubated at room temperature for 1.5 hours) with sh-Control and sh-FYN transfected HEK-293 cells. This data was developed using the same antibody clone with 66606-1-PBS in a different storage buffer formulation.



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.