

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 66606-1-Ig	<b>GenBank-Zugangsnummer:</b> BC032496	<b>Reinigungsmethode:</b> Protein-G-Reinigung
<b>Größe:</b> 150ul , Konzentration: 1000 µg/ml durch die Bradford-Methode mit BSA als Standard;	<b>GeneID (NCBI):</b> 2534	<b>CloneNo.:</b> 1G4B1
<b>Wirt:</b> Maus	<b>Vollständiger Name:</b> FYN oncogene related to SRC, FGR, YES	<b>Empfohlene Verdünnungen:</b> WB 1:5000-1:30000 IHC 1:2000-1:5000 IF 1:400-1:1600
<b>Isotyp:</b> IgG1	<b>Berechnete Masse:</b> 537aa,61 kDa; 482aa,55 kDa	
<b>Immunogen Katalognummer:</b> AG11127	<b>Beobachtete Masse:</b> 60 kDa	

## Anwendungen

<b>Geprüfte Anwendungen:</b> FC, IF, IHC, WB, ELISA	<b>Positivkontrollen:</b> WB : HEK-293-Zellen, HeLa-Zellen, Jurkat-Zellen, MCF-7-Zellen, NIH/3T3-Zellen, Ramos-Zellen IHC : humanes Tonsillitisgewebe, humanes Mammakarzinomgewebe IF : Neuro-2a-Zellen,
<b>In Publikationen genannte Anwendungen:</b> IHC, WB	
<b>Getestete Reaktivität:</b> Human, Maus, Ratte	
<b>Zitierte Arten:</b> Human, Maus, Ratte	
<b>Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.</b>	

## Hintergrundinformationen

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.

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Tianxiang Li	36272670	Free Radic Biol Med	WB
Maya Barad	33242826	EBioMedicine	IHC
Hongyu Yuan	29555370	Exp Cell Res	WB

## Lagerung

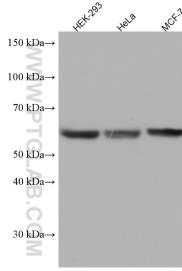
**Lagerungsbedingungen:**  
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil  
**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.  
Aliquotieren ist nicht notwendig bei -20°C Lagerung

**\*\*\* 20ul-Größen enthalten 0.1% BSA**

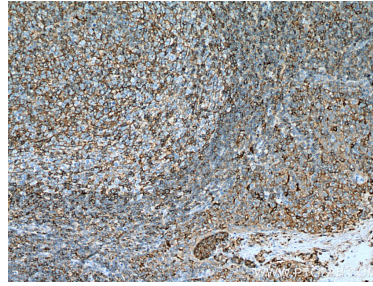
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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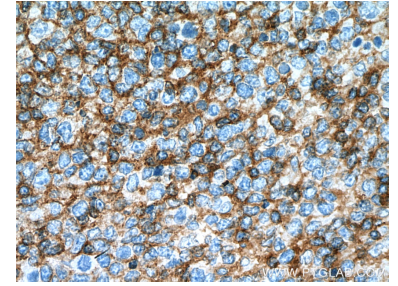
## Ausgewählte Validierungsdaten



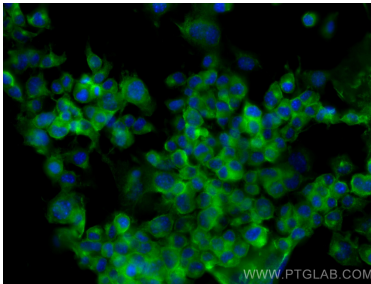
Various lysates were subjected to SDS PAGE followed by western blot with 66606-1-Ig (FYN antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



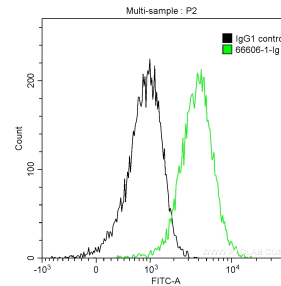
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66606-1-Ig (FYN antibody) at dilution of 1:5000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



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).



1x10<sup>6</sup> HeLa cells were intracellularly stained with 0.2 ug Anti-Human FYN (66606-1-Ig, Clone:1G4B1) and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (green), and 0.2 ug Mouse IgG1 Isotype Control (66360-1-Ig, Clone: T1F8D3F10) (black). Cells were fixed with 4% PFA and permeabilized with 0.1% TritonX-100.