

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 14577-1-AP	<b>GenBank-Zugangsnummer:</b> BC003146	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 150ul, Konzentration: 650 µg/ml von Nanodrop und 320 µg/ml durch die Bradford-Methode mit BSA als Standard;	<b>GeneID (NCBI):</b> 23450	<b>Empfohlene Verdünnungen:</b> WB 1:2000-1:12000
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> splicing factor 3b, subunit 3, 130kDa	IP 0.5-4.0 µg für IP und 1:2000-1:20000 für WB
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 136 kDa	IHC 1:20-1:200
<b>Immunogen Katalognummer:</b> AG5980	<b>Beobachtete Masse:</b> 130-135 kDa	IF 1:20-1:200

## Anwendungen

<b>Geprüfte Anwendungen:</b> IF, IHC, IP, WB, ELISA	<b>Positivkontrollen:</b>
<b>In Publikationen genannte Anwendungen:</b> CoIP, IF, RIP, WB	<b>WB:</b> Jurkat-Zellen, HeLa-Zellen, humanes Hirngewebe, Mausherzgewebe, Rattenherzgewebe, Rattenhirngewebe
<b>Getestete Reaktivität:</b> Human, Maus, Ratte	<b>IP:</b> Rattenhirngewebe,
<b>Zitierte Arten:</b> Hausschwein, Human, Ratte	<b>IHC:</b> humanes Gliomgewebe,
<b>Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.</b>	<b>IF:</b> HeLa-Zellen,

## Hintergrundinformationen

Introns are removed from nuclear pre-mRNA in 2-step transesterification reactions. Splicing occurred in a large ribonucleoprotein particle, called the spliceosome. Spliceosomal intermediate complexes form on pre-mRNA in the order E, A, B, and C, with the catalytic reactions occurring in complex C. U2 small nuclear ribonucleoproteins are one of the proteins essential for spliceosome assembly and mRNA splicing. Functional U2 snRNP is composed of a 12S unit and 2 splicing factors, SF3A, which is composed of 3 proteins, and SF3B, which composed of 4 proteins. SF3B3 is one of SF3B, and it's required for 'A' complex assembly formed by the stable binding of U2 snRNP to the branchpoint sequence(BPS) in pre-mRNA.

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Qingyang Zhang	34551807	Mol Neurodegener	WB
Nam-Kyung Yu	34816099	iScience	IF,CoIP
Teng Teng	28541300	Nat Commun	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.

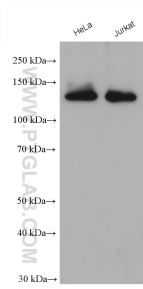
Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

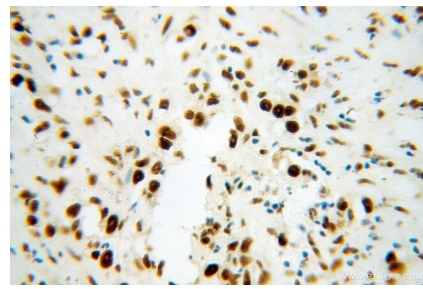
For technical support and original validation data for this product please contact:  
 T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
 E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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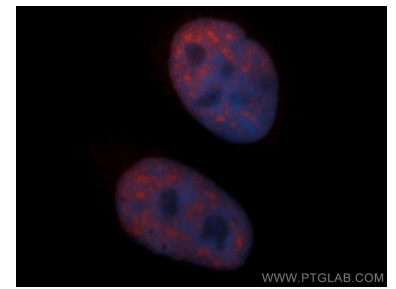
## Ausgewählte Validierungsdaten



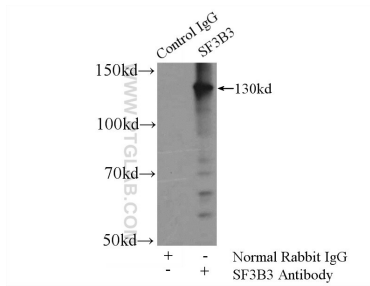
Various lysates were subjected to SDS PAGE followed by western blot with 14577-1-AP (SF3B3 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human gliomas using 14577-1-AP (SF3B3 antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of HeLa cells, using SF3B3 antibody 14577-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



IP Result of anti-SF3B3 (IP:14577-1-AP, 4ug; Detection:14577-1-AP 1:5000) with rat brain tissue lysate 4800ug.