

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 67361-1-Ig	<b>GenBank-Zugangsnummer:</b> BC150260	<b>Reinigungsmethode:</b> Protein-A-Reinigung
<b>Größe:</b> 150ul, Konzentration: 1200 µg/ml von 6683 Nanodrop und 1000 µg/ml durch die Bradford-Methode mit BSA als Standard;	<b>GeneID (NCBI):</b> von 6683	<b>CloneNo.:</b> 1F5A7
<b>Wirt:</b> Maus	<b>Vollständiger Name:</b> spastin	<b>Empfohlene Verdünnungen:</b> WB 1:2000-1:10000 IHC 1:500-1:2000 IF 1:200-1:800
<b>Isotyp:</b> IgG2b	<b>Berechnete Masse:</b> 616 aa, 67 kDa	
<b>Immunogen Katalognummer:</b> AG18866	<b>Beobachtete Masse:</b> 55 kDa	

## Anwendungen

<b>Geprüfte Anwendungen:</b> IF, IHC, WB, ELISA	<b>Positivkontrollen:</b>
<b>Getestete Reaktivität:</b> Human	<b>WB:</b> HEK-293-Zellen, HeLa-Zellen, HepG2-Zellen, NCCIT-Zellen, PC-3-Zellen
<b>Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.</b>	<b>IHC:</b> Maushirngewebe, <b>IF:</b> Maushirngewebe,

## Hintergrundinformationen

SPAST encodes a microtubule-severing protein called spastin. By severing microtubules into small segments, SPAST participates in the regeneration of neurites. Mutations in the SPAST gene (previously known as SPG4) are the most common causes of hereditary spastic paraplegia (HSP-SPG4). Mammalian cells express at least two spastin isoforms, a less-abundant full-length form (M1-spastin, 68 kDa) and a more highly expressed isoform (M87-spastin, 60 kDa) that lacks the N-terminal 86 amino acids of the full-length protein. Also, there are two additional 64 kDa and 55 kDa isoforms due to alternative splicing of SPG4 exon 4. This antibody recognizes all these isoforms of spastin.

## 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

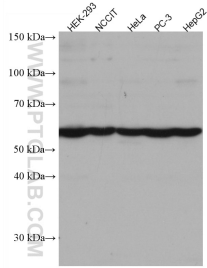
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

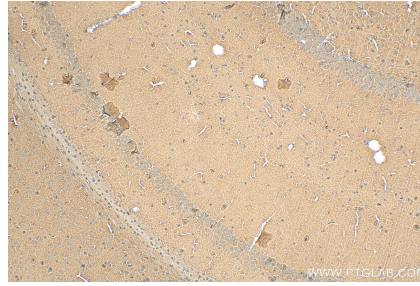
E: proteintech@ptglab.com  
W: ptglab.com

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

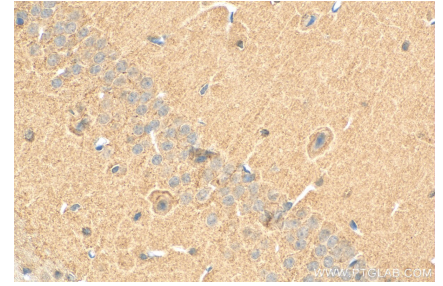
## Ausgewählte Validierungsdaten



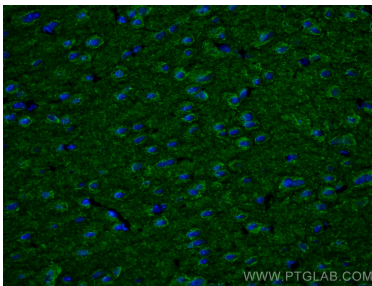
Various lysates were subjected to SDS PAGE followed by western blot with 67361-1-Ig (SPAST antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67361-1-Ig (SPAST antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67361-1-Ig (SPAST antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using SPAST antibody (67361-1-Ig, Clone: 1F5A7) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).