

Nur für Forschungszwecke

# STXBP1 Monoklonaler Antikörper

Katalog-Nr.:67137-1-Ig



## Allgemeine Informationen

<b>Katalog-Nr.:</b> 67137-1-Ig	<b>GenBank-Zugangsnummer:</b> BC015749	<b>Reinigungsmethode:</b> Protein-A-Reinigung
<b>Größe:</b> 150ul , Konzentration: 2500 µg/ml von6812 Nanodrop und 1000 µg/ml durch die Bradford-Methode mit BSA als Standard;	<b>GeneID (NCBI):</b> 185B3	<b>CloneNo.:</b> 1B5B3
<b>Wirt:</b> Maus	<b>Vollständiger Name:</b> syntaxin binding protein 1	<b>Empfohlene Verdünnungen:</b> WB 1:5000-1:50000 IHC 1:500-1:2000 IF 1:200-1:800
<b>Isotyp:</b> IgG2a	<b>Berechnete Masse:</b> 594 aa, 68 kDa	
<b>Immunogen Katalognummer:</b> AG28605	<b>Beobachtete Masse:</b> 68 kDa	

## Anwendungen

### Geprüfte Anwendungen:

FC, IF, IHC, WB, ELISA

### Getestete Reaktivität:

Hausschwein, Human, Maus, Ratte

**Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

### Positivkontrollen:

**WB** : fetales humanes Hirngewebe, Hausschwein-Cerebellum-Gewebe, Hausschwein-Hirngewebe, Maus-Cerebellum-Gewebe, Maushirngewebe, Ratten-Cerebellum-Gewebe, Rattenhirngewebe, Y79-Zellen

**IHC** : Maushirngewebe, Maus-Cerebellum-Gewebe

**IF** : Maushirngewebe,

## Hintergrundinformationen

STXBP1, also named as UNC18A, N-Sec1 and p67 belongs to the STXBP/unc-18/SEC1 family. STXBP1 may participate in the regulation of synaptic vesicle docking and fusion, possibly through interaction with GTP-binding proteins. It is essential for neurotransmission and binds syntaxin, a component of the synaptic vesicle fusion machinery probably in a 1:1 ratio. STXBP1 can interact with syntaxins 1, 2, and 3 but not syntaxin 4. It may play a role in determining the specificity of intracellular fusion reactions.

## 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

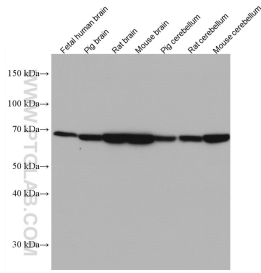
For technical support and original validation data for this product please contact:

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

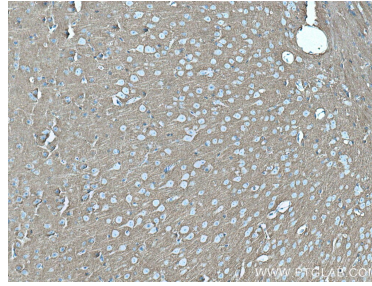
E: proteintech@ptglab.com  
W: ptglab.com

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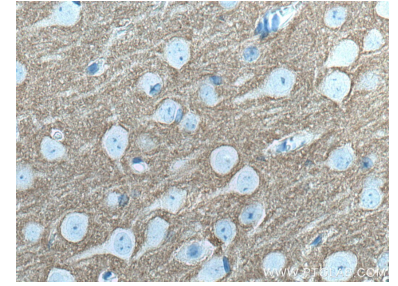
## Ausgewählte Validierungsdaten



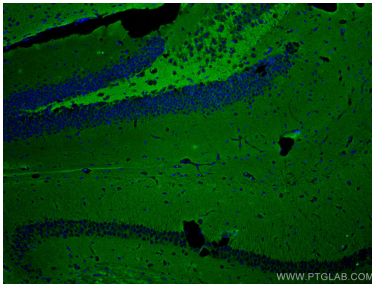
Various lysates were subjected to SDS PAGE followed by western blot with 67137-1-Ig (STXBP1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



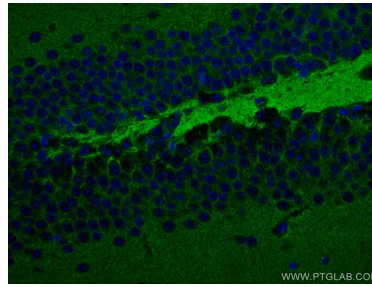
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67137-1-Ig (STXBP1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



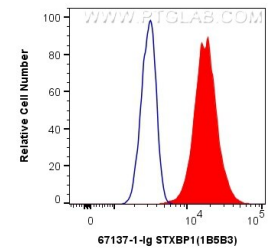
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67137-1-Ig (STXBP1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using STXBP1 antibody (67137-1-Ig, Clone: 1B5B3) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using STXBP1 antibody (67137-1-Ig, Clone: 1B5B3) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



$1 \times 10^6$  HeLa cells were intracellularly stained with 0.4 ug Anti-Human STXBP1 (67137-1-Ig, Clone: 1B5B3) and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG2a Isotype Control (66360-2-Ig, Clone: K11A1B2A2) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).