

For Research Use Only

# STXBP5 Polyclonal antibody

Catalog Number: 24512-1-AP



## Basic Information

<b>Catalog Number:</b> 24512-1-AP	<b>GenBank Accession Number:</b> BC113382	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 700 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 134957	<b>Recommended Dilutions:</b> WB 1:200-1:1000 IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> syntaxin binding protein 5 (tomosyn)	<b>Calculated MW:</b> 1151 aa, 128 kDa
<b>Isotype:</b> IgG	<b>Observed MW:</b> 130 kDa	<b>IF 1:10-1:100</b>
<b>Immunogen Catalog Number:</b> AG21629		

## Applications

<b>Tested Applications:</b> IF, IP, WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, rat	<b>WB :</b> rat brain tissue, <b>IP :</b> rat brain tissue, <b>IF :</b> SH-SY5Y cells,

## Background Information

Syntaxin-binding protein 5 (STXBP5, also known as tomosyn) is a cytosolic syntaxin-binding protein that can displace MUNC18 from syntaxin-1. It is a soluble R-SNARE protein that sequesters target SNAREs through the C-terminal VAMP-like domain. STXBP5 plays a regulatory role in calcium-dependent exocytosis and neurotransmitter release.

## Storage

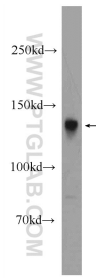
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

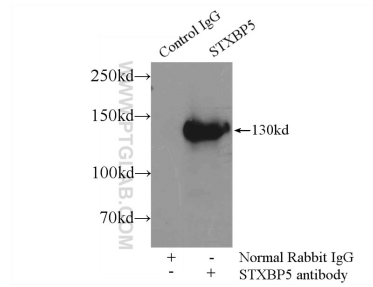
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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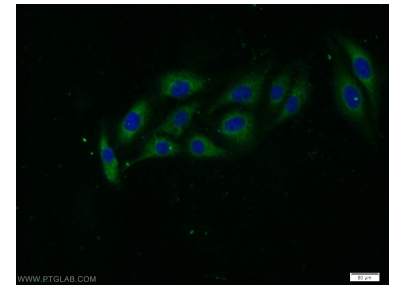
## Selected Validation Data



rat brain tissue were subjected to SDS PAGE followed by western blot with 24512-1-AP (STXBP5 Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



IP Result of anti-STXBP5 (IP:24512-1-AP, 5ug; Detection:24512-1-AP 1:300) with rat brain tissue lysate 4000ug.



Immunofluorescent analysis of SH-SY5Y cells using 24512-1-AP (STXBP5 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).