

STXBP5 Polyclonal antibody

Catalog Number: 24512-1-AP

Basic Information

Catalog Number:

24512-1-AP

Size:

700 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG21629

GenBank Accession Number:

BC113382

GeneID (NCBI):

134957

UNIPROT ID:

Q5T5C0

Full Name:

syntaxin binding protein 5 (tomosyn)

Calculated MW:

1151 aa, 128 kDa

Observed MW:

130 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IF 1:10-1:100

Applications

Tested Applications:

IF/ICC, IP, WB, ELISA

Species Specificity:

human, rat

Positive Controls:

WB : rat brain tissue,

IP : rat brain tissue,

IF : 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:

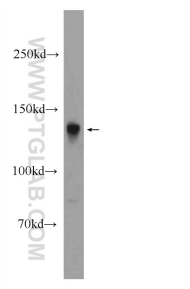
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

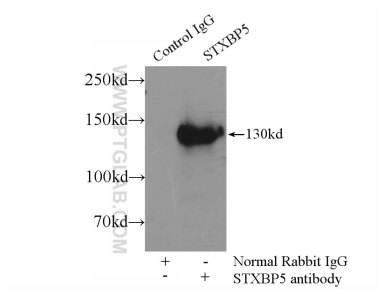
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

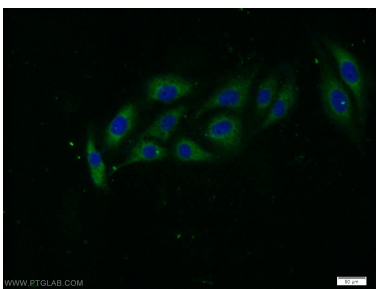
Selected Validation Data



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).