Syntaxin 6 Monoclonal antibody

Catalog Number:60059-1-Ig

2 Publications

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Basic Information

Catalog Number:
60059-1-Ig

Size:
150ul , Concentration: 1300 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG1284

GenBank Accession Number:
BC009944

GeneID (NCBI):
10228

UNIPROT ID:
O43752

Full Name:
syntaxin 6

Calculated MW:
29 kDa

Observed MW:
29 kDa

Purification Method:
Protein A purification

CloneNo.:
2B6G4

Recommended Dilutions:
WB 1:2000-1:16000
IHC 1:50-1:500
IF/ICC 1:200-1:800

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Cited Applications:
WB

Species Specificity:
human, mouse, rat

Cited Species:
human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : C6 cells, SH-SY5Y cells, U-251 cells, Jurkat cells, Neuro-2a cells, human brain tissue, rat brain tissue, mouse brain tissue

IHC : human brain tissue, human prostate cancer tissue

IF/ICC : PC-12 cells,

Background Information

Syntaxin-6 (STX6) is a SNARE protein located in the trans-Golgi network (TGN) and endosomes. It associates with a variety of SNARE proteins and is involved in intracellular vesicle trafficking. STX6 is required for sorting proteins from endosomes toward either the TGN or lysosomes.

Notable Publications

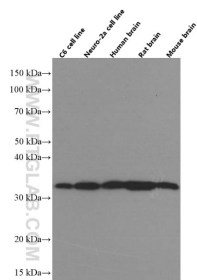| Author	Pubmed ID	Journal	Application
Shouheng Jin	36057605	Nat Commun	WB
Ryosei Motoo	39621656	PLoS One	WB

Storage

Storage:
Store at -20℃. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage
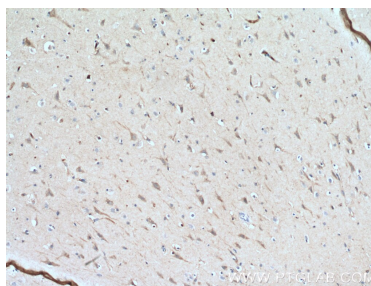
*** 20ul sizes contain 0.1% BSA

Selected Validation Data

Various lysates were subjected to SDS PAGE followed by western blot with 60059-1-Ig (Syntaxin 6 antibody at dilution of 1:8000 incubated at room temperature for 1.5 hours.

Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 60059-1-Ig (Syntaxin 6 antibody at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).
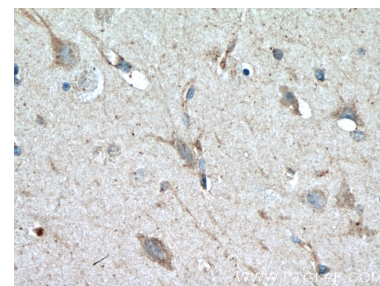
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 60059-1-Ig (Syntaxin 6 antibody at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).
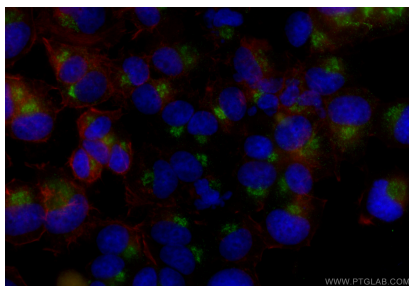
Immunofluorescent analysis of (4% PFA) fixed PC-12 cells using Syntaxin 6 antibody (60059-1-Ig, Clone: 2B6G4) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-Phalloidin (red).