For Research Use Only

CoraLite® Plus 488-conjugated STXBP1 Monoclonal antibody

Catalog Number:CL488-67137

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
CL488-67137

Size:
1000 μg/ml

Source:
Mouse

Isotype:
IgG2a

Immunogen Catalog Number:
AG28605

GenBank Accession Number:
BC015749

GeneID (NCBI):
6812

UNIPROT ID:
P61764

Full Name:
syntaxin binding protein 1

Calculated MW:
594 aa, 68 kDa

Observed MW:
68 kDa

Purification Method:
Protein A purification

CloneNo.:
1B5B3

Recommended Dilutions:
WB 1:1000-1:4000

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
WB, FC (Intra)

Species Specificity:
human, mouse, rat

Positive Controls:

WB : mouse brain tissue, rat brain tissue

Background Information

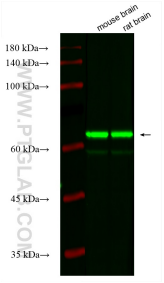
STXBP1, also named as UNC18A, N-Sec1 and p67 belongs to the STXBP/unc-18/SEC1 family. STXBP1 may participate in the regulation of synaptic vesicle docking and fusion, possibly through interaction with GTP-binding proteins. It is essential for neurotransmission and binds syntaxin, a component of the synaptic 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.

Storage

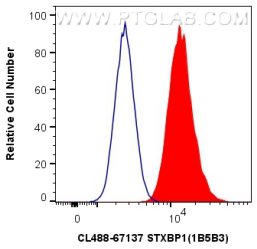
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with CL488-67137 (STXBP1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



1X10^6 HeLa cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 Anti-Human STXBP1 (CL488-67137, Clone:1B5B3) (red), or 0.8 ug CoraLite® Plus 488 Mouse IgG2a Isotype Control (C1.18.4) (CL488-65208, Clone: C1.18.4) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).