

For Research Use Only

STXBP4 Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 87575-1-PBS



Basic Information

Catalog Number: 87575-1-PBS	GenBank Accession Number: BC041485	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 252983	CloneNo.: 252999C2
Source: Rabbit	UNIPROT ID: Q6ZWJ1	
Isotype: IgG	Full Name: syntaxin binding protein 4	
Immunogen Catalog Number: AG5471	Calculated MW: 62 kDa	
	Observed MW: 62 kDa	

Applications

Tested Applications:
WB, IF/ICC, Cytometric bead array, Indirect ELISA

Species Specificity:
human

Product Information

87575-1-PBS targets STXBP4 as part of a matched antibody pair:

MP03111-1: 87575-1-PBS capture and 87575-2-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

Background Information

STXBP4, also known as Synip, plays a role in the translocation of transport vesicles from the cytoplasm to the plasma membrane. STXBP4 inhibits the translocation of GLUT4 from intracellular vesicles to the plasma membrane by STX4A binding and preventing the interaction between STX4A and VAMP2(PMID: 10394363).

Storage

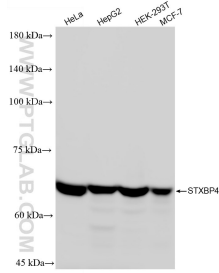
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

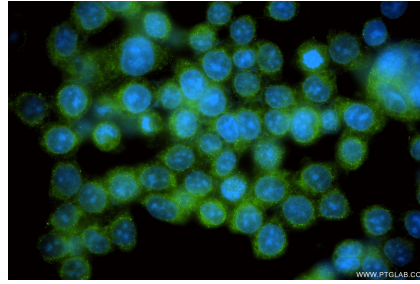
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

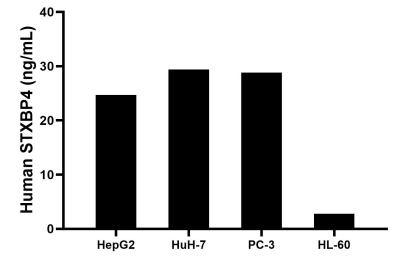
Selected Validation Data



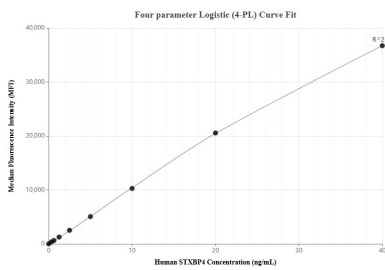
Various lysates were subjected to SDS PAGE followed by western blot with 87575-1-RR (STXBP4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87575-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Methanol) fixed BxPC-3 cells using STXBP4 antibody (87575-1-RR, Clone: 252999C2) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 87575-1-PBS in a different storage buffer formulation.



The mean STXBP4 concentration was determined to be 24.7 ng/mL in HepG2 cell extract based on a 1.2 mg/mL extract load, 29.4 ng/mL in HuH-7 cell extract based on a 1.2 mg/mL extract load, 28.8 ng/mL in PC-3 cell extract based on a 1.2 mg/mL extract load, 2.8 ng/mL in HL-60 cell extract based on a 1.2 mg/mL extract load.



Cytometric bead array standard curve of MP03111-1, STXBP4 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 87575-1-PBS. Detection antibody: 87575-2-PBS. Standard: Ag5471. Range: 0.312-40 ng/mL