

For Research Use Only

# STXBP4 Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 87575-1-PBS



## Basic Information

<b>Catalog Number:</b> 87575-1-PBS	<b>GenBank Accession Number:</b> BC041485	<b>Purification Method:</b> Protein A purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 252983	<b>CloneNo.:</b> 252999C2
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> Q6ZMJ1	
<b>Immunogen Catalog Number:</b> AG5471	<b>Full Name:</b> syntaxin binding protein 4	
	<b>Calculated MW:</b> 62 kDa	
	<b>Observed MW:</b> 62 kDa	

## Applications

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

**Species Specificity:**  
human

## 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.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS only, pH7.3

For technical support and original validation data for this product please contact:

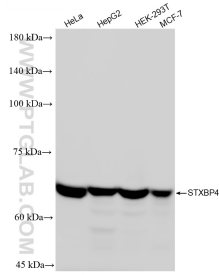
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

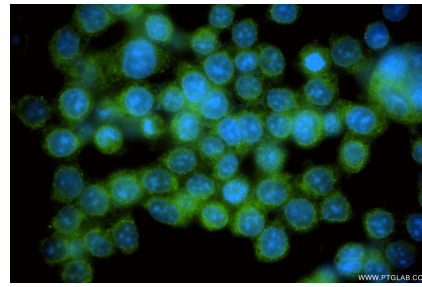
W: [ptgcn.com](http://ptgcn.com)

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

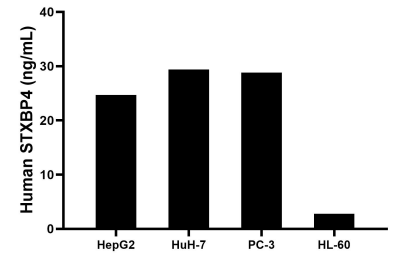
## Selected Validation Data



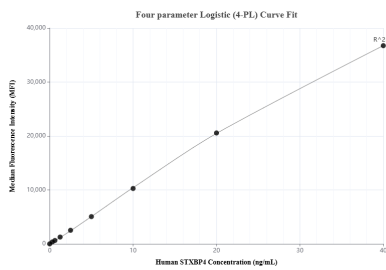
Various lysates were subjected to SDS PAGE followed by western blot with 87575-1-RR (STXBP4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87575-1-PBS in a different storage buffer formulation.



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