

For Research Use Only

Syntabulin Recombinant monoclonal antibody, PBS Only (Detector)

Catalog Number: 88360-1-PBS



Basic Information

Catalog Number: 88360-1-PBS	GenBank Accession Number: BC012082	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 55638	CloneNo.: 260730D4
Source: Rabbit	UNIPROT ID: Q9NX95	
Isotype: IgG	Full Name: Golgi-localized protein	
Immunogen Catalog Number: AG9344	Calculated MW: 662 aa, 72 kDa	
	Observed MW: 90 kDa	

Applications

Tested Applications:
WB, Cytometric bead array, Indirect ELISA

Species Specificity:
human

Product Information

88360-1-PBS targets Syntabulin as part of a matched antibody pair:

MP03456-1: 88360-2-PBS capture and 88360-1-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

Syntabulin, also known as GOLSYN or syntaxin-1-binding protein, is a microtubule-associated aptamer protein crucial for intracellular transport. It functions as a linker that attaches syntaxin-1-containing vesicles to the kinesin-1 motor (KIF5B), enabling their anterograde axonal transport. This process is significant for vesicle exocytosis, synapse formation, and neuronal development.

Storage

Storage:
Store at -80°C.

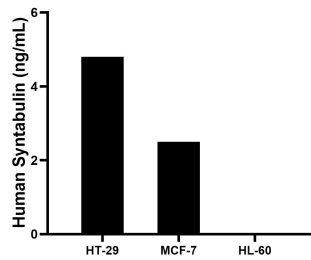
Storage Buffer:
PBS only, pH7.3

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

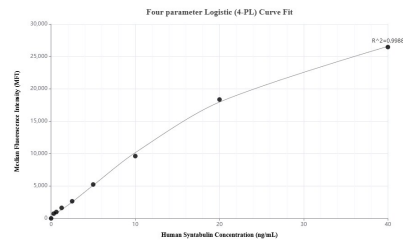
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data

MCF-7 cells were subjected to SDS PAGE followed by western blot with 88360-1-RR (Syntabulin antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 88360-1-PBS in a different storage buffer formulation.



The mean Syntabulin concentration was determined to be 4.8 ng/mL in HT-29 cell extract based on a 1.2 mg/mL extract load, 2.5 ng/mL in MCF-7 cell extract based on a 1.2 mg/mL extract load, HL-60 cell extract were served as a negative control.



Cytometric bead array standard curve of MP03456-1, Syntabulin Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 88360-2-PBS. Detection antibody: 88360-1-PBS. Standard: Ag9344. Range: 0.312-40 ng/mL.