

For Research Use Only

SFXN1 Monoclonal antibody, PBS Only (Capture)

Catalog Number: 68024-1-PBS



Basic Information

Catalog Number: 68024-1-PBS	GenBank Accession Number: BC020517	Purification Method: Protein G purification
Size: 1mg/ml	GeneID (NCBI): 94081	CloneNo.: 2D9F1
Source: Mouse	UNIPROT ID: Q9H9B4	
Isotype: IgG1	Full Name: sideroflexin 1	
Immunogen Catalog Number: AG2985	Calculated MW: 35.6 kDa	
	Observed MW: 32 kDa	

Applications

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

Species Specificity:
human, mouse, rat

Background Information

SFXN1, the founding member of the SLC56 family, was identified by positional cloning of the mutation in the flexed-tail mouse model with sideroblastic anemia. SFXN1 was recently identified as a mitochondrial serine transporter essential for one-carbon (1C) metabolism, a process in which folate species are generated and used in biosynthetic pathways required for cell proliferation. In HEK293 cells, SFXN1 is the most abundant isoform among the SFXNs.

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

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

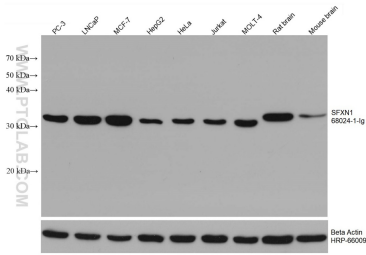
T: 4006900926

E: Proteintech-CN@ptglab.com

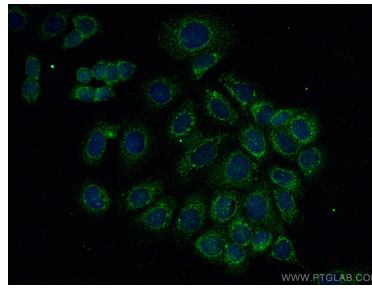
W: ptgcn.com

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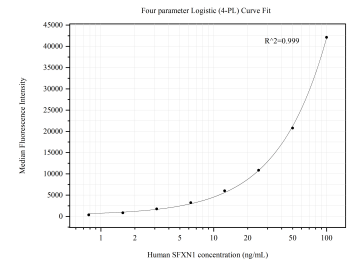
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68024-1-Ig (SFXN1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control. This data was developed using the same antibody clone with 68024-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using SFXN1 antibody (68024-1-Ig, Clone: 2D9F1) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 68024-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP50630-2, SFXN1 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 68024-1-PBS. Detection antibody: 68024-4-PBS. Standard: Ag2985. Range: 0.781-100 ng/mL