

SFXN3 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP18512b

Product Information

Application	WB, E
Primary Accession	Q9BWM7
Other Accession	NP_112233.2
Reactivity	Human
Predicted	Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB38397
Calculated MW	35503
Antigen Region	288-314

Additional Information

Gene ID	81855
Other Names	Sideroflexin-3, SFXN3
Target/Specificity	This SFXN3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 288-314 amino acids from the C-terminal region of human SFXN3.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	SFXN3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SFXN3 {ECO:0000303 PubMed:30442778, ECO:0000312 HGNC:HGNC:16087}
Function	Mitochondrial serine transporter that mediates transport of serine into mitochondria, an important step of the one-carbon metabolism pathway

(PubMed:[30442778](#)). Mitochondrial serine is converted to glycine and formate, which then exits to the cytosol where it is used to generate the charged folates that serve as one-carbon donors (PubMed:[30442778](#)).

Cellular Location

Mitochondrion membrane {ECO:0000269 | PubMed:30442778, ECO:0000269 | Ref.4}; Multi-pass membrane protein

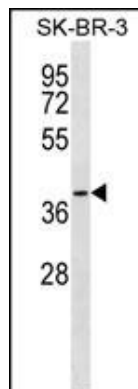
Background

Potential iron transporter.

References

Lamesch, P., et al. Genomics 89(3):307-315(2007)

Images



SFXN3 Antibody (C-term) (Cat. #AP18512b) western blot analysis in SK-BR-3 cell line lysates (35ug/lane). This demonstrates the SFXN3 antibody detected the SFXN3 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.