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SFXN3 Rabbit pAb

Catalog # AP97996

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9BWM7
Other Accession	Q9BWM7
Reactivity	Rat, Human, Mouse
Predicted	Rabbit, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35503
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SFXN3
Epitope Specificity	221-325/325
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the sideroflexin family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	SFXN3, or sideroflexin 3, is a potential iron transporter.

Additional Information

Gene ID	81855
Other Names	BA108L7.2; SFX3; SLC56A3; SLC64A3; TCC; SFXN3_BOVIN; SFXN3; SFXN3_HUMAN; SFXN3_MOUSE; SFXN3_RAT; sideroflexin 3
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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

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