

SFXN5 Rabbit pAb

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Catalog # AP56654

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8TD22
Predicted	Rat, Pig, Cat, Dog, Human, Mouse, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37124
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SFXN5
Epitope Specificity	51-150/340
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Mitochondrion membrane.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Additional Information

Gene ID	94097
Other Names	Sideroflexin-5, SFXN5 {ECO:0000303 PubMed:12039050, ECO:0000312 HGNC:HGNC:16073}
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000
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	SFXN5 {ECO:0000303 PubMed:12039050, ECO:0000312 HGNC:HGNC:16073}
Function	Mitochondrial amino-acid transporter (By similarity). Transports citrate (By similarity). Does not act as a serine transporter: not able to mediate transport of serine into mitochondria (By similarity) (PubMed: 30442778). In brown adipose tissue, plays a role in the regulation of UCP1-dependent thermogenesis probably by supporting mitochondrial glycerol-3-phosphate

utilization (By similarity).

Cellular Location Mitochondrion inner membrane; Multi-pass membrane protein

Tissue Location Primarily expressed in the brain.

Background

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