

Anti-SFXN4 Antibody

Catalog # AP60886

Product Information

Application	WB, IHC, IF/IC
Primary Accession	Q6P4A7
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37998

Additional Information

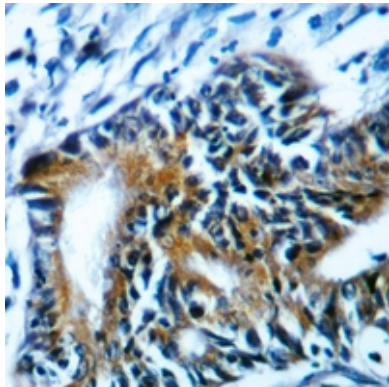
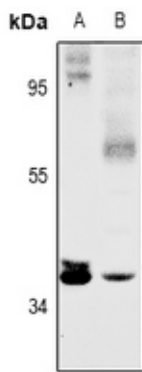
Gene ID	119559
Other Names	BCRM1; Sideroflexin-4; Breast cancer resistance marker 1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human SFXN4. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IF/IC (1/100 - 1/500) IHC~~1:100~500 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

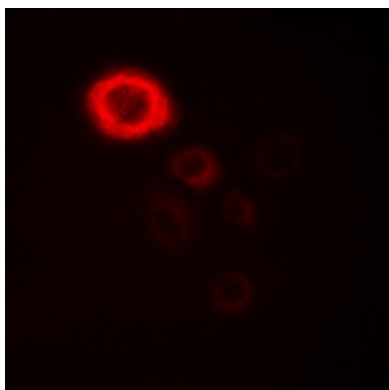
Name	SFXN4 {ECO:0000303 PubMed:15489334, ECO:0000312 HGNC:HGNC:16088}
Function	Mitochondrial amino-acid transporter (By similarity). Does not act as a serine transporter: not able to mediate transport of serine into mitochondria (PubMed: 30442778).
Cellular Location	Mitochondrion inner membrane; Multi-pass membrane protein

Images

Western blot analysis of SFXN4 expression in HEK293T (A), DLD (B) whole cell lysates. (Predicted band size: 37 kD; Observed band size: 38 kD)



Immunohistochemical analysis of SFXN4 staining in human colorectal cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of SFXN4 staining in COS7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with Alexa Fluor 647-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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