10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ABCF1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9278b

Product Information

Application	IHC-P-Leica, WB, E
Primary Accession	Q8NE71
Other Accession	Q767L0
Reactivity	Human, Rat, Mouse
Predicted	Pig, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB23237
Calculated MW	95926
Antigen Region	687-716

Additional Information

Gene ID	23
Other Names	ATP-binding cassette sub-family F member 1, ATP-binding cassette 50, TNF-alpha-stimulated ABC protein, ABCF1, ABC50
Target/Specificity	This ABCF1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 687-716 amino acids from the C-terminal region of human ABCF1.
Dilution	IHC-P-Leica~~1:500 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	ABCF1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ABCF1
Synonyms	ABC50

Function	Isoform 2 is required for efficient Cap- and IRES-mediated mRNA translation initiation. Isoform 2 is not involved in the ribosome biogenesis.
Cellular Location	[Isoform 2]: Cytoplasm. Nucleus, nucleoplasm. Nucleus envelope
Tissue Location	Ubiquitous..

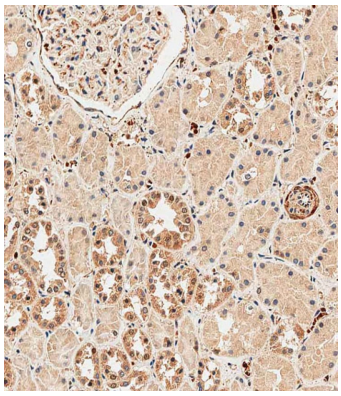
Background

The protein is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC proteins are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the GCN20 subfamily. Unlike other members of the superfamily, this protein lacks the transmembrane domains which are characteristic of most ABC transporters. This protein may be regulated by tumor necrosis factor-alpha and play a role in enhancement of protein synthesis and the inflammation process.

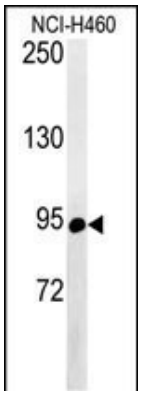
References

Barcellos,L.F., et.al., PLoS Genet. 5 (10), E1000696 (2009) Paytubi,S., et.al., J. Biol. Chem. 284 (36), 24061-24073 (2009) Saito,A., et.al., J. Hum. Genet. 54 (6), 317-323 (2009)

Images

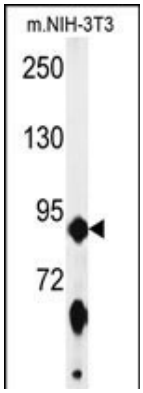


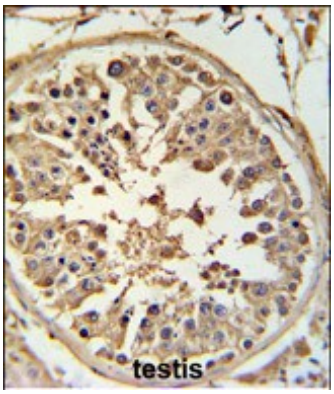
Immunohistochemical analysis of paraffin-embedded human kidney tissue using AP9278B performed on the Leica® BOND RXm. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a EDTA buffer (pH9. 0). Samples were incubated with primary antibody(1:500) for 1 hours at room temperature. A undiluted biotinylated CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.



Western blot analysis of ABCF1 Antibody (C-term)(Cat. #AP9278b) in NCI-H460 cell line lysates (35ug/lane). ABCF1 (arrow) was detected using the purified Pab.

Western blot analysis of ABCF1 Antibody (C-term)(Cat. #AP9278b) in mouse NIH-3T3 cell line lysates (35ug/lane). ABCF1 (arrow) was detected using the purified Pab.





ABCF1 Antibody (C-term) (Cat. #AP9278b) IHC analysis in formalin fixed and paraffin embedded human testis tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ABCF1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

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