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ABCF1 Rabbit pAb

Catalog # AP98921

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8NE71
Other Accession	Q8NE71
Reactivity	Rat, Human
Predicted	Pig, Mouse, Rabbit, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	95926
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ABCF1
Epitope Specificity	501-600/845
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 ABC transporter superfamily. ABCF family. EF3 subfamily.Contains 2 ABC transporter domains.
SUBUNIT	Isoform 2 interacts (via N-terminus) with EIF2S1; the interaction is independent of its phosphorylated status. Isoform 2 associates (via both ABC transporter domains) with the ribosomes.
Post-translational modifications	Isoform 2 is phosphorylated at phosphoserine and phosphothreonine. Isoform 2 phosphorylation on Ser-109 and Ser-140 by CK2; inhibits association of EIF2 with ribosomes. Phosphorylated upon DNA damage, probably by ATM or ATR.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes 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. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	23
Other Names	ABC27; ABC50; D17Wsu166e; GCN20; ABCF1_HUMAN; ABCF1; ATP-binding cassette 50; TNF-alpha-stimulated ABC protein; ABCF1_MOUSE; ABCF1_PIG; ATP binding cassette subfamily F member 1; ATP-binding cassette, sub-family

	F (GCN20), member 1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=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	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..

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