

Rabbit ABCF1 Polyclonal Antibody | anti-ABCF1 antibody

ABCF1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321006	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

ABCF1; Polyclonal Antibody; ABCF1 Antibody; ABC27; ABC50; ABCF1_HUMAN; ATP binding cassette 50 (TNF alpha stimulated); ATP binding cassette 50; ATP binding cassette sub family F member 1; ATP binding cassette; sub family F (GCN20); member 1; ATP-binding cassette 50; ATP-binding cassette sub-family F member 1; AU041969; D17Wsu166e; EST123147; GCN20; TNF alpha stimulated ABC protein; TNF-alpha-stimulated ABC protein; TNFalpha inducible ATP binding protein; wu:fb79c06; wu:fc39a05; wu:fj94a08; zgc:85667; anti-ABCF1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ABCF1 antibody detects endogenous levels of total ABCF1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	845
Applicable Applications for anti-ABCF1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ABCF1
Subcellular Location	Cytoplasm. Nucleus, Nucleoplasm. Nucleus Envelope.
Tissue Specificity	Ubiquitous.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Xenopus
Similarity	Pig (91%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Xenopus (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA321006 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis on HeLa cell lysate using ABCF1 Antibody, The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-ABCF1 antibody	Description: ABCF1 May function in mRNA translation. Belongs to the ABC transporter superfamily. ABCF family. EF3 subfamily. Induced by TNF (in cultured synoviocytes). Interacts with eukaryotic initiation factor 2 (eIF2). Associates with the ribosomes. 2 isoforms of the human protein are produced by alternative splicing. Note: This description may include information from UniProtKB. Function: Isoform 2 is required for efficient Cap-and IRES-mediated mRNA translation initiation. Isoform 2 is not involved in the ribosome biogenesis. Subunit Structure: 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. Similarity: Belongs to the ABC transporter superfamily. ABCF family. EF3 subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	69354671
NCBI GeneID	23
NCBI Accession #	NP_001020262.1
NCBI GenBank Nucleotide #	NM_001025091.1
UniProt Accession #	Q8NE71; O14897; Q69YP6; A2BF75
Molecular Weight	Observed: 95 kDa Predicted: 96 kDa
NCBI Official Full Name	ATP-binding cassette sub-family F member 1 isoform a
NCBI Official Synonym Full Names	ATP binding cassette subfamily F member 1
NCBI Official Symbol	ABCF1
NCBI Official Synonym Symbols	ABC27; ABC50
NCBI Protein Information	ATP-binding cassette sub-family F member 1
UniProt Protein Name	ATP-binding cassette sub-family F member 1
UniProt Gene Name	ABCF1
UniProt Synonym Gene Names	ABC50

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.