

Rabbit anti-Human ATPIF1 Polyclonal Antibody | anti-ATPIF1 antibody

ATPIF1 Antibody (N-term)

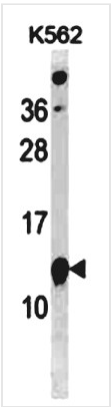
CATALOG # AAA28683	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot, ELISA
------------------------------	-----------------------	----------------------------	--

PRODUCT SYNONYMS

ATPIF1; Polyclonal Antibody; ATPIF1 Antibody (N-term); ATPase inhibitor; mitochondrial; Inhibitor of F(1)F(o)-ATPase; IF(1); IF1; ATP1; anti-ATPIF1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	This ATPIF1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 8-35 amino acids from the N-terminal region of human ATPIF1.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Positions	8-35
Sequence Length	60
Applicable Applications for anti-ATPIF1 antibody	WB (Western Blot), ELISA
Application Notes	WB~~1:1000
Function	Endogenous F(1)F(o)-ATPase inhibitor limiting ATP depletion when the mitochondrial membrane potential falls below a threshold and the F(1)F(o)-ATP synthase starts hydrolyzing ATP to pump protons out of the mitochondrial matrix. Required to avoid the consumption of cellular ATP when the F(1)F(o)-ATP synthase enzyme acts as an ATP hydrolase. Indirectly acts as a regulator of heme synthesis in erythroid tissues: regulates heme synthesis by modulating the mitochondrial pH and redox potential, allowing FECH to efficiently catalyze the incorporation of iron into protoporphyrin IX to produce heme.
Cellular Location	Mitochondrion.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
ATPIF1 Antibody (N-term) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the ATPIF1 antibody detected the ATPIF1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-ATPIF1 antibody	Background: This gene encodes a mitochondrial ATPase inhibitor. Alternative splicing occurs at this locus and three transcript variants encoding distinct isoforms have been identified. [provided by RefSeq].
Product Categories/Family for anti-ATPIF1 antibody	Metabolism; Signal Transduction
References	Sanchez-Cenizo, L., et al. J. Biol. Chem. 285(33):25308-25313(2010) Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) : Li, N., et al. Int. J. Neurosci. 120(3):217-221(2010) Contessi, S., et al. J. Bioenerg. Biomembr. 39(4):291-300(2007) Ma, J., et al. Atherosclerosis 191(1):63-72(2007)

NCBI AND UNIPROT INFORMATION

NCBI GI #	7705927
NCBI GeneID	93974
NCBI Accession #	NP_057395.1; NP_835497.1; NP_835498.1
NCBI GenBank Nucleotide #	NM_016311.4
UniProt Accession #	Q9UII2; Q5JXL8; Q6IAQ7; Q9BSL9
Molecular Weight	Calculated MW: 12249
NCBI Official Full Name	ATPase inhibitor, mitochondrial isoform 1
NCBI Official Synonym Full Names	ATPase inhibitory factor 1
NCBI Official Symbol	ATPIF1
NCBI Official Synonym Symbols	IP; ATPi; ATPIP
NCBI Protein Information	ATPase inhibitor, mitochondrial
UniProt Protein Name	ATPase inhibitor, mitochondrial
UniProt Gene Name	ATPIF1
UniProt Synonym Gene Names	ATPI; IF(1); IF1
UniProt Entry Name	ATIF1_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/atpif1-antibody-western-blot-elisa/28683>