

Rabbit anti-Human, mouse ATP4B Polyclonal Antibody | anti-ATP4B antibody

ATP4B Antibody (N-term)

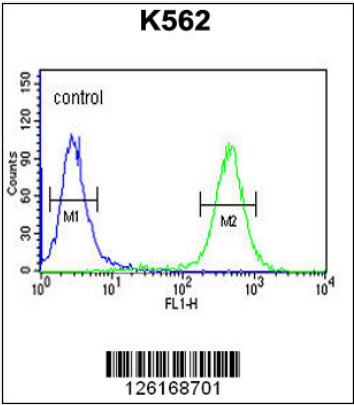
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284818	Rabbit	Human, mouse	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

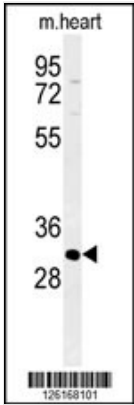
ATP4B; Polyclonal Antibody; ATP4B Antibody (N-term); Potassium-transporting ATPase subunit beta; Gastric H(+)/K(+) ATPase subunit beta; Proton pump beta chain; anti-ATP4B antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ATP4B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 52-78 amino acids from the N-terminal region of human ATP4B.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	52-78
Sequence Length	291
Applicable Applications for anti-ATP4B antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
ATP4B Antibody (N-term) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
Western blot analysis of ATP4B Antibody (N-term) in mouse heart tissue lysates (35ug/lane). ATP4B (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-ATP4B antibody	ATP4B belongs to a family of P-type cation-transporting ATPases. The gastric H ⁺ , K ⁺ -ATPase is a heterodimer consisting of a high molecular weight catalytic alpha subunit and a smaller but heavily glycosylated beta subunit. This enzyme is a proton pump that catalyzes the hydrolysis of ATP coupled with the exchange of H(+) and K(+) ions across the plasma membrane. It is also responsible for gastric acid secretion. This gene encodes the beta subunit of the gastric H ⁺ , K ⁺ -ATPase.
Product Categories/Family for anti-ATP4B antibody	Metabolism; Signal Transduction
References	Bab-Dinitz, E., et al. Biochemistry 48(36):8684-8691(2009) Knouff, C.W., et al. Pharmacogenet. Genomics 18(12):1051-1057(2008) Oh, J.H., et al. Mamm. Genome 16(12):942-954(2005)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557339
NCBI GeneID	496
NCBI Accession #	NP_000696.1
NCBI GenBank Nucleotide #	NM_000705.3
UniProt Accession #	P51164; B1B0N8
Molecular Weight	33367
NCBI Official Full Name	potassium-transporting ATPase subunit beta
NCBI Official Synonym Full Names	ATPase, H ⁺ /K ⁺ exchanging, beta polypeptide
NCBI Official Symbol	ATP4B
NCBI Official Synonym Symbols	ATP6B
NCBI Protein Information	potassium-transporting ATPase subunit beta
UniProt Protein Name	Potassium-transporting ATPase subunit beta
UniProt Gene Name	ATP4B
UniProt Entry Name	ATP4B_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/atp4b-antibody-flow-cytometry-western-blot-elisa/284818>