

MaxPab®

ATP4A purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00000495-B01P

Size 500 ug

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human ATP4A protein.
Immunogen	ATP4A (AAI67780.1, 1 a.a. ~ 1035 a.a) full-length human protein.
Sequence	MGKAENYELYSVELGPGPGGDMAAKMSKKKKAGGGGGKRKEKLENMKKEMEINDHQLSVAEL EQKYQTSATKGLSASLAAELLLRDGPNALRPPRGTPPEYVKFARQLAGGLQCLMWVAAAICLIAFAI QASEGLDITDDNLYALIALIAVVVVTGCGFYQEFKSTNIIASFKNLVPQQATVIRDGDKFQINADQL VVGDLVEMKGGDRVPADIRILAAQGCKVDNSSLTGESEPQTRSPECTHESPLETRNIAFFSTMCL EGTVQGLVVNTGDRTIIGRIASLASGVENEKTPAIEIEHFVDIAGLAILFGATFFVAMCIGYTFLRAMV FFMAIVVAYVPEGLLATVTVCLSLTAKRLASKNCVVKNEAVETLGSTSVICSDKTGTLTQNRMTV SHLWFDNHIHTADTTEDQSGQTFDQSSSETWRALCRVLTLCNRAAFKSGQDAVPVPKRIVIGDASE TALLKFSELTLGNAMGYRDRFPKVCEIPFNSTNKFQLSIHTLEDPRDPRHLLVMKGAPERVLERC SILIKGQELPLDEQWREAFQTAYLSLGGGLGERVLGFCQLYLNEKDYPGAFDVEAMNFPSSGLC FAGLVSMIDPPPRATVPDAVLKCRTAGIRVIMVTGDHPITAKAIAASVGIISEGSETVEDIAARLRVPV DQVNRKDARACVINGMQLKMDPSELVEALRTHPEMVFARTSPQQKLIVIVESCQRLGAVAVTG DGVNDSPALKKADIGVAMGIAGSDAAKNAADMILLDDNFASVTGVEQGRLIFDNLKKSIAITLTKNI PELTPYLYMTVSVPLPLGCITILFIELCTDIFPSVSLAYEKAESDIMHLRPRNPKRDRLVNEPLAAYSF QIGAIQSFAGFTDYFTAMAQEGWFPLLCVGLRAQWEDHHLQDLQDSYGQEWTFGQRLYQQYTCY TVFFISIEVCQIADVLIRKTRRLSAFQQGFFRNKILVIAVFQVCIGCFLCYCPGMPNIFNFMPIRFQWW LVPLPYGILIFVYDEIRKLGVRCCPGSWWDQELYY
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (97); Rat (98)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

Gene Info — ATP4A

Entrez GeneID [495](#)

GeneBank Accession# [BC167780.1](#)

Protein Accession# [AA167780.1](#)

Gene Name ATP4A

Gene Alias ATP6A

Gene Description ATPase, H⁺/K⁺ exchanging, alpha polypeptide

Omim ID [137216](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene 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 a catalytic alpha subunit of the gastric H⁺, K⁺-ATPase. [provided by RefSeq]

Other Designations ATPase, H⁺/K⁺ transporting, alpha polypeptide|OTTHUMP00000045780|gastric H⁺/K⁺ ATPase alpha subunit|gastric H,K-ATPase catalytic subunit|gastric hydrogen-potassium ATPase|hydrogen/potassium-exchanging ATPase 4A|potassium-transporting ATPase alpha chain 1|

Pathway

- [Oxidative phosphorylation](#)