

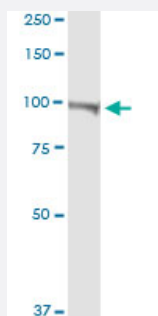
MaxPab®

ATP2B4 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00000493-D01P

Size 100 ug

Applications



Western Blot (Tissue lysate)

ATP2B4 MaxPab rabbit polyclonal antibody. Western Blot analysis of ATP2B4 expression in human colon.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human ATP2B4 protein.

Immunogen

ATP2B4 (NP_001001396.1, 1 a.a. ~ 1170 a.a) full-length human protein.

Sequence

MTNPSDRVLPANSMAESREGDFGCTVMELRKLMELRSDALTQINVHYGGVQNLCSRLKTSPVE
GLSGNPADLEKRRQVFQHNVIPKKPKTFLELVWEALQDVTLLILEIAAIIISLVLSFYRPAGEENELC
GQVATTPEDENEAQAGWIEGAAILFSVIIVLVTAFNDSKEKQFRGLQCRIEQEQKFSIIRNGQLIQ
LPVAEIVGDIQVKYGDLLPADGILIQGNDLKIDESSLTGESDHVKKSLDKDPMLLSGTHVMEGS
GRMVVTAVGVNSQTGIIITLLGVNEDDEGEKKKKGKKQGVPENRNKAKTQDGVALEIQPLNSQEG
IDNEEKDKKAVKVPKKEKSVLQGKLTRLAVQIGKAGLLMSALTVFILLYFVIDNFVINRRPWLPECT
PMQYFVKFFIIGITVLVAVPEGLPLAVTISLAYSVKKMMKDNNLVRHLDACETMGNATAICSDKTG
TLTMNRMTVVQAYIGGIHYRQIPSPDVFLPKVLDLVNGISINSAYTSKILPPEKEGGLPRQVGNKTEC
ALLGFVTDLKQDYQAVRNEVPPEEKLYKVYTFNSVRKSMSTVIRNPNGGFRMYSKGASEIILRKCNR
LDRKGEAVPFKNKDRDDMVRTVIEPMACDGLRTICIA YRDFDDTEPSWDNENEIL TELTCIAVVGIE
DPVRPEVPDAIAKCKQAGITVRMVTGDNINTARAIATKCGILTPGDDFLCLEGKEFNRLIRNEKGEV
EQEKLDKWPKLRLVARSSPTDKHTLVKGIIIDSTVGEHRQVAVTGDGTNDGPALKKADVGFAMG
IAGTDVAKEASDIILTDNFTSVKAVMWGRNVYDSISKFLQFQLTVNVVAVVAFTGACITQDSPLK
AVQMLWVNLIMDTFASLALATEPPTESLLKRRPYGRNKPLISRTMMKNILGHAFYQLVIFILVFAGE
KFFDIDSGRKAPLHSPPSQHYTFNTFVLMQLFNEINSRKIHGEKNVFSGIYRNIIFCSSVLGTFICQI
FMEFGGKPFSCSLSLSQWLWCLFIGIGELLWGQFISAIPTSLKFLKEAGHGTTEEITKDAEGLD
EIDHAEMELRRGQILWFRGLNRIQTQIDVINTFQTGASFQVLRQNMGMQHLVDKLVPSSSYAVA
PVKSSPTTSVPAVSSPPMGNQSGQSV

Host	Rabbit
Reactivity	Human
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 (Tissue lysate)

ATP2B4 MaxPab rabbit polyclonal antibody. Western Blot analysis of ATP2B4 expression in human colon.

[Protocol Download](#)

Gene Info — ATP2B4

Entrez GeneID	493
GeneBank Accession#	NM_001001396
Protein Accession#	NP_001001396.1
Gene Name	ATP2B4
Gene Alias	ATP2B2, DKFZp686G08106, DKFZp686M088, MXRA1, PMCA4, PMCA4b, PMCA4x
Gene Description	ATPase, Ca ⁺⁺ transporting, plasma membrane 4
Omim ID	108732
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene belongs to the family of P-type primary ion transport ATPases characterized by the formation of an aspartyl phosphate intermediate during the reaction cycle. These enzymes remove bivalent calcium ions from eukaryotic cells against very large concentration gradients and play a critical role in intracellular calcium homeostasis. The mammalian plasma membrane calcium ATPase isoforms are encoded by at least four separate genes and the diversity of these enzymes is further increased by alternative splicing of transcripts. The expression of different isoforms and splice variants is regulated in a developmental, tissue- and cell type-specific manner, suggesting that these pumps are functionally adapted to the physiological needs of particular cells and tissues. This gene encodes the plasma membrane calcium ATPase isoform 4. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq]

Other Designations

OTTHUMP00000034088|OTTHUMP00000034089|matrix-remodelling associated 1|plasma membrane calcium ATPase 4|plasma membrane calcium pump|sarcolemmal calcium pump

Pathway

- [Calcium signaling pathway](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Tobacco Use Disorder](#)