

DNAxPAb

Hard-to-Find
Antibody

ATP2B4 DNAxPab

Catalog # H00000493-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a partial-length human ATP2B4 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Extracellular membrane domain (ECD) human DNA
Host	Rabbit
Reactivity	Human
Purification	Protein A
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](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — ATP2B4

Entrez GeneID	493
GeneBank Accession#	NM_001001396.1
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	<p>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]</p>
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](#)