

Rabbit anti-Mouse ATP2B4 Polyclonal Antibody | anti-ATP2B4 antibody

ATP2B4 Polyclonal Antibody

CATALOG # AAA280673	HOST Rabbit	REACTIVITY Mouse	APPLICATIONS Western Blot
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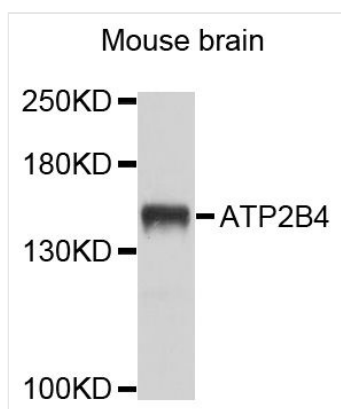
PRODUCT SYNONYMS

ATP2B4; Polyclonal Antibody; ATP2B4 Polyclonal Antibody; ATP2B2; MXRA1; PMCA4; PMCA4b; PMCA4x; anti-ATP2B4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Applicable Applications for anti-ATP2B4 antibody	WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1141-1205 of human ATP2B4 (NP_001675.3).
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of extracts of mouse brain, using ATP2B4 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 5s.

ADDITIONAL INFORMATION

Related Product Information for anti-ATP2B4 antibody	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.
Product Categories/Family for anti-ATP2B4 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	48255959
NCBI GeneID	493
NCBI Accession #	NP_001001396.1
NCBI GenBank Nucleotide #	NM_001001396.2
UniProt Accession #	P23634; Q13450; Q13452; Q13455; Q16817; Q7Z3S1; B1APW5; B1APW6
Molecular Weight	Calculated MW: 124-137kDa Observed MW: 138kDa
NCBI Official Full Name	plasma membrane calcium-transporting ATPase 4 isoform 4a
NCBI Official Synonym Full Names	ATPase plasma membrane Ca2+ transporting 4
NCBI Official Symbol	ATP2B4
NCBI Official Synonym Symbols	MXRA1; PMCA4; ATP2B2; PMCA4b; PMCA4x
NCBI Protein Information	plasma membrane calcium-transporting ATPase 4
UniProt Protein Name	Plasma membrane calcium-transporting ATPase 4
UniProt Gene Name	ATP2B4
UniProt Synonym Gene Names	PMCA4
UniProt Entry Name	AT2B4_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.