



Anti-ATP2B4 monoclonal antibody, clone KB0 (DCABH-8393)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse monoclonal to Calcium Pump PMCA4 ATPase
Antigen Description	This magnesium-dependent enzyme catalyzes the hydrolysis of ATP coupled with the transport of calcium out of the cell.
Specificity	This antibody is specific to the PMCA4 isoform.
Immunogen	Other Immunogen Type corresponding to Human Calcium Pump PMCA4 ATPase. Purified human erythrocyte PMCA.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Mouse, Rat, Rabbit, Cow, Human, Pig
Clone	KB0
Conjugate	Unconjugated
Applications	Flow Cyt, WB, IHC-P, ELISA, IHC-Fr, ICC/IF
Format	Liquid
Size	100 µg
Buffer	Preservative: 0.05% Sodium azide; Constituents: 0.1% BSA, 99% PBS
Preservative	0.05% Sodium Azide
Storage	Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid

freeze / thaw cycle.

Ship Shipped at 4°C.

GENE INFORMATION

Gene Name	ATP2B4 ATPase, Ca⁺⁺ transporting, plasma membrane 4 [Homo sapiens]
Official Symbol	ATP2B4
Synonyms	ATP2B4; ATPase, Ca ⁺⁺ transporting, plasma membrane 4; ATP2B2, matrix remodelling associated 1 , MXRA1; plasma membrane calcium-transporting ATPase 4; plasma membrane calcium transporting ATPase 4; PMCA4; sarcolemmal calcium pump; matrix-remodeling-associ
Entrez Gene ID	493
Protein Refseq	NP_001001396
UniProt ID	P23634
Chromosome Location	1q32.1
Pathway	B Cell Receptor Signaling Pathway, organism-specific biosystem; Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; Hemostasis, organism-specific biosystem; Ion channel transport, organism-specific biosystem; Ion transport by P-type ATPases, organism-specific biosystem; Pancreatic secretion, organism-specific biosystem.
Function	ATP binding; PDZ domain binding; calcium-transporting ATPase activity; calmodulin binding; hydrolase activity; hydrolase activity, acting on acid anhydrides, catalyzing transmembrane movement of substances; metal ion binding; nucleotide binding; protein b