



Anti-ATP2A1 (aa 1-100) polyclonal antibody (DPABH-21328)

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

PRODUCT INFORMATION

Antigen Description	This magnesium-dependent enzyme catalyzes the hydrolysis of ATP coupled with the translocation of calcium from the cytosol to the sarcoplasmic reticulum lumen. Contributes to calcium sequestration involved in muscular excitation/contraction.
Immunogen	Synthetic peptide conjugated to KLH derived from within residues 1 - 100 of Human SERCA1 ATPase.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse, Rat, Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Size	100 µg
Buffer	pH: 7.40; Constituent: PBS
Preservative	0.02% Sodium Azide
Storage	Store at 4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	ATP2A1 ATPase, Ca++ transporting, cardiac muscle, fast twitch 2 [Homo sapiens]
Official Symbol	ATP2A1
Synonyms	ATP2A1; ATPase, Ca++ transporting, cardiac muscle, fast twitch 1; ATP2A; SERCA1; sarcoplasmic/endoplasmic reticulum calcium ATPase 1; calcium pump 1; SR Ca(2+)-ATPase 1; endoplasmic reticulum class 1/2 Ca(2+) ATPase; calcium-transporting ATPase sarcoplasmic reticulum type, fast twitch skeletal muscle isoform;
Entrez Gene ID	487
Protein Refseq	NP_001273004.1
UniProt ID	O14983
Pathway	Alzheimers disease; Alzheimers Disease; Calcium signaling pathway; Ion channel transport
Function	ATP binding; ATP binding; calcium ion binding; calcium ion binding