

Product datasheet for **TA346377**

ATP2A1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	IHC, WB
Reactivity:	Human, Macaque
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-ATP2A1 antibody: synthetic peptide directed towards the N terminal of human ATP2A1. Synthetic peptide located within the following region: MEAAHAKTTEECLAYFGVSETTGLTPDQVKRNLEKYGLNELPAEEGKTLW
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	109 kDa
Gene Name:	ATPase sarcoplasmic/endoplasmic reticulum Ca ²⁺ transporting 1
Database Link:	NP_004311 Entrez Gene 487 Human O14983
Background:	This gene encodes one of the SERCA Ca(2+)-ATPases, which are intracellular pumps located in the sarcoplasmic or endoplasmic reticula of muscle cells. This enzyme catalyzes the hydrolysis of ATP coupled with the translocation of calcium from the cytosol to
Synonyms:	ATP2A; SERCA1
Note:	Immunogen Sequence Homology: Pig: 100%; Rat: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 100%; Dog: 92%; Horse: 85%; Zebrafish: 85%

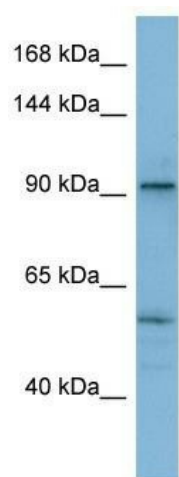


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Protein Families: Druggable Genome, Transmembrane

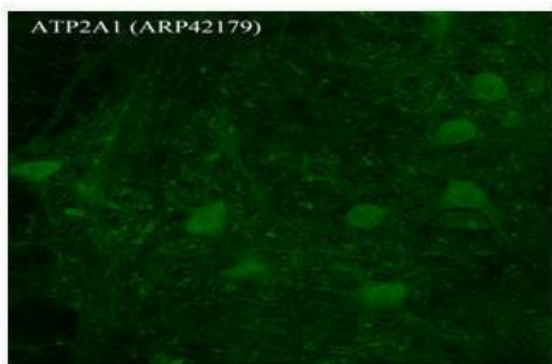
Protein Pathways: Alzheimer's disease, Calcium signaling pathway

Product images:



ATP2A1

WB Suggested Anti-ATP2A1 Antibody Titration:
0.2-1 ug/ml; ELISA Titer: 1: 62500; Positive
Control: THP-1 cell lysate



Green: ATP2A1

Sample Type: Rhesus macaque spinal cord
Primary Antibody Dilution: 1: 300; Secondary
Antibody: Donkey anti Rabbit 488; Secondary
Antibody: dilution: 1: 500; Color/Signal
Descriptions: Green: ATP2A1; Gene Name:
ATP2A1; Submitted by: Timur Mavlyutov, Ph. D.,
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