

DNAxPAb

Hard-to-Find
Antibody

ATP2A1 DNAxPab

Catalog # H00000487-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a partial-length human ATP2A1 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 — ATP2A1

Entrez GeneID	487
GeneBank Accession#	NM_004320.3
Protein Accession#	NP_004311.1
Gene Name	ATP2A1
Gene Alias	ATP2A, SERCA1
Gene Description	ATPase, Ca++ transporting, cardiac muscle, fast twitch 1
Omim ID	108730 601003
Gene Ontology	Hyperlink
Gene Summary	<p>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 the sarcoplasmic reticulum lumen, and is involved in muscular excitation and contraction. Mutations in this gene cause some autosomal recessive forms of Brody disease, characterized by increasing impairment of muscular relaxation during exercise. Alternative splicing results in two transcript variants encoding different isoforms. [provided by RefSeq]</p>
Other Designations	ATPase, Ca++ transporting, fast twitch 1 OTTHUMP00000162562 SR Ca(2+)-ATPase 1 calcium pump 1 calcium-transporting ATPase sarcoplasmic reticulum type, fast twitch skeletal muscle isoform endoplasmic reticulum class 1/2 Ca(2+) ATPase sarcoplasmic/endoplasm

Pathway

- [Calcium signaling pathway](#)