

MaxPab®

ATP2A3 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00000489-B01P

Size 500 ug

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human ATP2A3 protein.
Immunogen	ATP2A3 (ABM84243.1, 1 a.a. ~ 999 a.a) full-length human protein.
Sequence	MEAAHLLPAADVLRHFSVTAEGGLSPAQVTGARERYGPNELPSEEGKSLWELVLEQFEDLLVRIL LLAALVSFVLAWFEEGEETTTAFVEPLVIMLILVANAMGVWQERNAESAIEALKEYEPEMGKVIRS DRKGVQIRIRARDMPGDIVEAVGDKVPADLRLEIKSTTLRVDQSILTGESVSVTKHTEAIPDPRAV NQDKKNMLFSGTNITSGKAVGVAVATGLHTELGKIRSQMAAVEPERTPLQRKLDEFGRQLSHAIS VICVAVWVINIGHFADPAHGGSWLRGAVYYFKIAVALAVAAIPEGLPAVITTCALGTRRMARKNAIV RSLPSVETLGCTSVICSDKTGTLTTNQMSVCRMVVAEADAGSCLLHEFTISGTTYTPEGEVRQG DQPVRCGQFDGLVELATICALCNDSDLDYNEAKGVYEKVGEATETALTCLVEKMNVDFTDLQAL SRVERAGACNTVIKQLMRKEFTLEFSRDRKSMSVYCTPTRPHPTGQGSKMFVKGAPESVIERCS SVRVGSRTAPLTPTSREQILAKIRDWGSGLDRLCLALATRDAPPRKEDMELDDCSKFVQYETDL TFGVCGMLDPPRPEVAACITRCYQAGIRVVMITGDNKGTAVAICRRLGIFGDTEDVAGKAYTGRE FDDLSPQQRQACRTARCFARVEPAHKSRIENLQSFNEITAMTGDGVNDAPALKKAIEIGIAMGS GTAVAKSAAEMVLSDDNFASMAAVEEGRAYSNMKQFIRYLSSNVGEVVCIFLTAILGLPEALIPV QLLWVNLVTDGLPATALGFNPPDLIMEKLPRSPREALISGWLFFRYLAIGVYVGLATVAAATWWF VYDAEGPHINFYQLRNFLKCSNPLFAGIDCEVFESRFPPTMALSVLVTIEMCNALNSVSENQSL LRMPWMPNPWLLVAVAMSMALHFLILLVPPLPLIFQVTPLSGRQWVVVLQISLPVILLDEALKYLSR NHMHEEMSQK
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (95); Rat (94)
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](#)

Gene Info — ATP2A3

Entrez GeneID [489](#)

GeneBank Accession# [DQ893317.2](#)

Protein Accession# [ABM84243.1](#)

Gene Name ATP2A3

Gene Alias SERCA3

Gene Description ATPase, Ca⁺⁺ transporting, ubiquitous

Omim ID [601929](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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 calcium sequestration associated with muscular excitation and contraction. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq]

Other Designations ATPase, Ca(2+)-transporting, ubiquitous|SR Ca(2+)-ATPase 3|adenosine triphosphatase, calcium|calcium pump 3|calcium-translocating P-type ATPase|sarco/endoplasmic reticulum Ca2+ -ATPase|sarco/endoplasmic reticulum Ca2+ ATPase|sarcoplasmic/endoplasmic retic

Pathway

- [Calcium signaling pathway](#)

Disease

- [Colon cancer](#)

- [Colonic Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)
- [Nervous System Neoplasms](#)