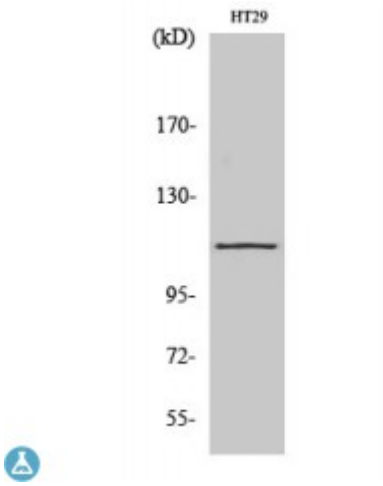
Anti-SERCA1 antibody



Description	Rabbit polyclonal to SERCA1.

Model	STJ95618
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human SERCA1
Immunogen Region	520-600 aa, Internal
Gene ID	487
Gene Symbol	ATP2A1
Dilution range	WB 1:500-1:2000IHC 1:100-1:300ELISA 1:10000
Specificity	SERCA1 Polyclonal Antibody detects endogenous levels of SERCA1 protein.
Tissue Specificity	Skeletal muscle, fast twitch muscle (type II) fibers.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Sarcoplasmic/endoplasmic reticulum calcium ATPase 1 SERCA1 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
Molecular Weight	100 kDa

Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:811OMIM:108730
Alternative Names	Sarcoplasmic/endoplasmic reticulum calcium ATPase 1 SERCA1 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
Function	Key regulator of striated muscle performance by acting as the major Ca(2+) ATPase responsible for the reuptake of cytosolic Ca(2+) into the sarcoplasmic reticulum. 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.
Cellular Localization	Endoplasmic reticulum membrane Sarcoplasmic reticulum membrane