SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Marker Primary Antibody]

Rabbit Anti-AT2A1/SERCA1 ATPase/HRP Conjugated antibody

Catalog Number: SL7539R-HRP

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-AT2A1/SERCA1 ATPase/HRP
Immunogen:	KLH conjugated synthetic peptide derived from human SERCA1 ATPase
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human Mouse Rat(predicted:Dog Cow Horse Rabbit Sheep)
Background:	background: 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. **Function:** 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. **Subunit:** Associated with sarcolipin (SLN) and phospholamban (PLN) (By similarity). **Subcellular Location:** Endoplasmic reticulum membrane; Multi-pass membrane protein. Sarcoplasmic reticulum membrane; Multi-pass membrane protein. **Tissue Specificity:** Skeletal muscle, fast twitch muscle (type II) fibers.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	DISEASE: Defects in ATP2A1 are the cause of Brody myopathy (BRM) [MIM:601003]. An autosomal recessive myopathy characterized by increasing impairment of relaxation of fast twist skeletal muscle during exercise. **Similarity:** Belongs to the cation transport ATPase (P-type) (TC 3.A.3) family. Type IIA subfamily. **Database links:** **Entrez Gene:** 518117 Cow **Entrez Gene:** 487 Human **Entrez Gene:** 11937 Mouse **Entrez Gene:** 100037716 Rabbit **Entrez Gene:** 116601 Rat Omim: 108730 Human **SwissProt:** Q0VCY0 Cow **SwissProt:** O14983 Human **SwissProt:** Q8R429 Mouse **SwissProt:** P04191 Rabbit **SwissProt:** Q64578 Rat **Unigene:** 657344 Human **Unigene:** 35134 Mouse **Unigene:** 217139 Rat Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.