

CAB19639

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**Product Information**

<b>Product SKU:</b>	CAB19639	<b>Gene ID:</b>	487	<b>Size:</b>	20uL, 100uL
<b>Clone No:</b>	ARC2207	<b>Host Species:</b>	Rabbit	<b>Reactivity:</b>	Mouse,Rat

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**Additional Information**

<b>Observed MW:</b>	110kDa	<b>Conjugate:</b>	Unconjugated
<b>Calculated MW:</b>	95kDa/110kDa	<b>Isotype:</b>	IgG

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**Immunogen Information**

**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 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 three transcript variants encoding different isoforms.

**Recommended Dilution:** WB,1:500 - 1:1000 IF/ICC,1:50 - 1:200

**Synonyms:** ATP2A; SERCA1; SERCA1/ATP2A1

**Purification Method:** Affinity purification

**Immunogen:** A synthetic peptide corresponding to a sequence within amino acids 900-1001 of human SERCA1/ATP2A1 (O14983).

**Storage:** Store at -20°C. Avoid freeze / thaw cycles.Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.