

**sMtCK Polyclonal Antibody**  
Catalog # AP72530**Specification**

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**sMtCK Polyclonal Antibody - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">P17540</a>
Reactivity	<b>Human, Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>

**sMtCK Polyclonal Antibody - Additional Information****Gene ID** 1160**Other Names**

CKMT2; Creatine kinase S-type; mitochondrial; Basic-type mitochondrial creatine kinase; Mib-CK; Sarcomeric mitochondrial creatine kinase; S-MtCK

**Dilution**

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**sMtCK Polyclonal Antibody - Protein Information****Name** CKMT2**Function**

Reversibly catalyzes the transfer of phosphate between ATP and various phosphogens (e.g. creatine phosphate). Creatine kinase isoenzymes play a central role in energy transduction in tissues with large, fluctuating energy demands, such as skeletal muscle, heart, brain and spermatozoa.

**Cellular Location**

Mitochondrion inner membrane; Peripheral membrane protein; Intermembrane side

**Tissue Location**

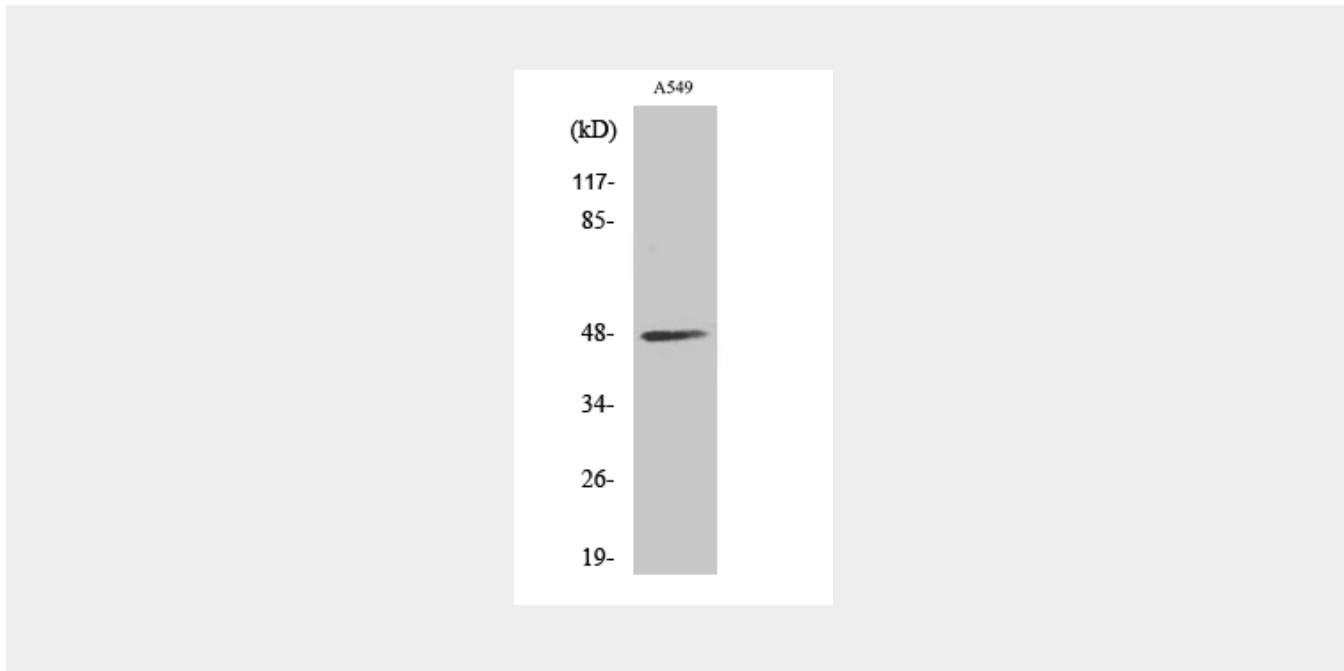
Sarcomere-specific. Found only in heart and skeletal muscles

**sMtCK Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **sMtCK Polyclonal Antibody - Images**



#### **sMtCK Polyclonal Antibody - Background**

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