

# sMtCK Polyclonal Antibody

Catalog # AP72530

#### **Product Information**

**Application** WB, IHC-P, IF **Primary Accession** P17540

Reactivity Human, Mouse, Rat

HostRabbitClonalityPolyclonalCalculated MW47504

#### **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. IHC-P~~N/A IF~~1:50~200

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

azide.

Storage Conditions -20°C

#### **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;

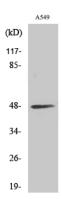
Intermembrane side

**Tissue Location** Sarcomere-specific. Found only in heart and skeletal muscles

### **Background**

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.

## **Images**



Western Blot analysis of various cells using sMtCK Polyclonal Antibody

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