

CKMT2 Antibody (aa231-280)
Rabbit Polyclonal Antibody
Catalog # ALS15753**Specification**

CKMT2 Antibody (aa231-280) - Product Information

Application	WB, IHC-P, IF, E
Primary Accession	P17540
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	48kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A IF~~1:50~200 E~~N/A

CKMT2 Antibody (aa231-280) - Additional Information**Gene ID** 1160**Other Names**

Creatine kinase S-type, mitochondrial, 2.7.3.2, Basic-type mitochondrial creatine kinase, Mib-CK, Sarcomeric mitochondrial creatine kinase, S-MtCK, CKMT2

Target/Specificity

CKMT2 Antibody detects endogenous levels of total CKMT2 protein.

Reconstitution & Storage

Store at -20°C for up to one year.

Precautions

CKMT2 Antibody (aa231-280) is for research use only and not for use in diagnostic or therapeutic procedures.

CKMT2 Antibody (aa231-280) - 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

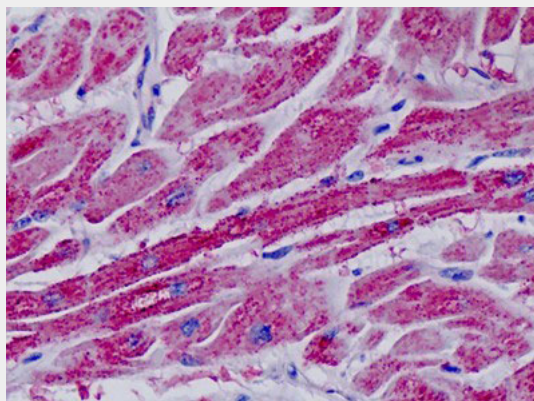
Volume

50 μ l

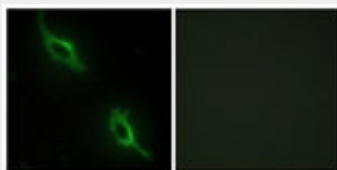
CKMT2 Antibody (aa231-280) - Protocols

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

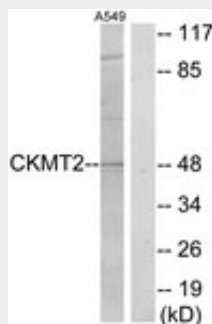
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CKMT2 Antibody (aa231-280) - Images

Human, Heart: Formalin-Fixed Paraffin-Embedded (FFPE)



Immunofluorescence of NIH-3T3 cells, using CKMT2 Antibody.



Western blot of extracts from A549 cells, using CKMT2 Antibody.

CKMT2 Antibody (aa231-280) - 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.

CKMT2 Antibody (aa231-280) - References

Haas R.C.,et al.J. Biol. Chem. 265:6921-6927(1990).
Ebert L.,et al.Submitted (MAY-2004) to the EMBL/GenBank/DDBJ databases.
Haas R.C.,et al.J. Biol. Chem. 264:2890-2897(1989).