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CKMT2 Antibody (aa231-280)

Rabbit Polyclonal Antibody
Catalog # ALS15753

Specification

CKMT2 Antibody (aa231-280) - Product Information

Application	**IHC, IF, WB**
Primary Accession	P17540
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**48kDa KDa**

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

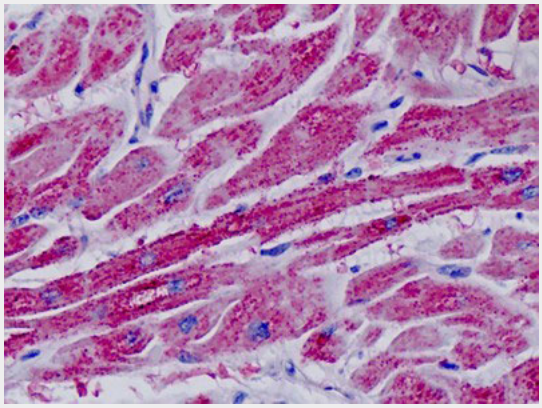
50 µl

CKMT2 Antibody (aa231-280) - Protocols

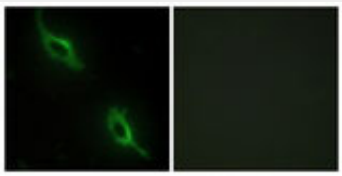
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

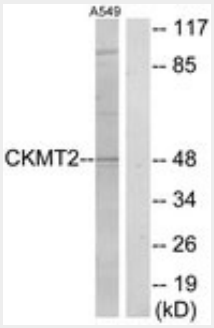
CKMT2 Antibody (aa231-280) - Images



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).