10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# MCART2 Antibody (N-term)

**Affinity Purified Rabbit Polyclonal Antibody (Pab)**

**Catalog # AP10890a**

## Specification

### MCART2 Antibody (N-term) - Product Information

| | |
|---|---|
| Application | **WB, FC,E** |
| Primary Accession | Q3SY17 |
| Other Accession | NP_001029344.2 |
| Reactivity | **Human** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Isotype | **Rabbit IgG** |
| Calculated MW | **33721** |
| Antigen Region | **46-75** |

### MCART2 Antibody (N-term) - Additional Information

**Gene ID** 147407

**Other Names**
Solute carrier family 25 member 52, Mitochondrial carrier triple repeat protein 2, SLC25A52, MCART2

**Target/Specificity**
This MCART2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 46-75 amino acids from the N-terminal region of human MCART2.

**Dilution**
WB~~1:1000
FC~~1:10~50

**Format**
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**
MCART2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

### MCART2 Antibody (N-term) - Protein Information

**Name** SLC25A52 {ECO:0000303|PubMed:32906142, ECO:0000312|HGNC:HGNC:23324}

**Function** Mitochondrial membrane carrier protein that mediates the import of NAD(+) into mitochondria (PubMed:32906142). Compared to SLC25A51, SLC25A52-mediated transport is not essential for the import of NAD(+) in mitochondria (PubMed:32906142). The transport mechanism, uniport or antiport, its electrogenicity and substrate selectivity, remain to be elucidated.

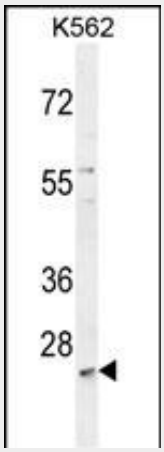
**Cellular Location**
Mitochondrion inner membrane; Multi-pass membrane protein

## MCART2 Antibody (N-term) - Protocols

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

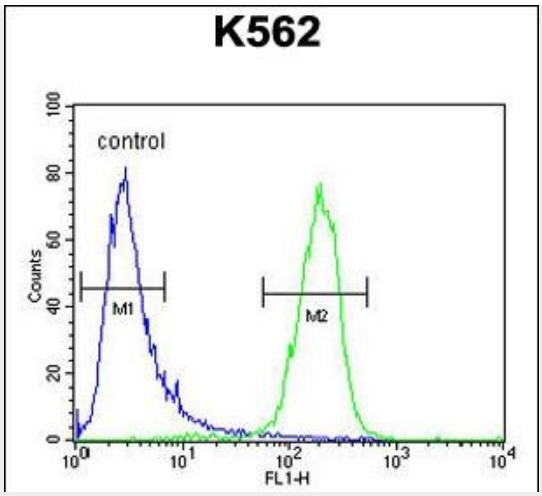
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## MCART2 Antibody (N-term) - Images




MCART2 Antibody (N-term) (Cat. #AP10890a) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the MCART2 antibody detected the MCART2 protein (arrow).

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MCART2 Antibody (N-term) (Cat. #AP10890a) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

**MCART2 Antibody (N-term) - Background**

This gene is similar to the mitochondrial carrier triple repeat 1 gene on chromosome 9. The gene is intronless and may be an evolving pseudogene; however, it is transcribed and it contains a full-length coding region so it is currently classified as a protein-coding locus.

**MCART2 Antibody (N-term) - References**

Kimura, K., et al. Genome Res. 16(1):55-65(2006)
Gerhard, D.S., et al. Genome Res. 14 (10B), 2121-2127 (2004) :