

# MINOS1 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP20802a

## Specification

# MINOS1 Antibody (N-term) - Product Information

Application Primary Accession	<b>WB,E</b> 05TGZ0
Other Accession	<u>Q7TNS2</u>
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	8808
Antigen Region	1-33

# MINOS1 Antibody (N-term) - Additional Information

Gene ID 440574

Other Names MICOS complex subunit MIC10, Mitochondrial inner membrane organizing system protein 1, MINOS1, C1orf151, MIC10

Target/Specificity

This MINOS1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 1-33 amino acids from the N-terminal region of human MINOS1.

**Dilution** WB~~1:1000 E~~Use at an assay dependent concentration.

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

MINOS1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

# **MINOS1** Antibody (N-term) - Protein Information

Name MICOS10 (<u>HGNC:32068</u>)



**Function** Component of the MICOS complex, a large protein complex of the mitochondrial inner membrane that plays crucial roles in the maintenance of crista junctions, inner membrane architecture, and formation of contact sites to the outer membrane.

#### **Cellular Location**

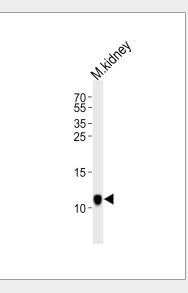
Mitochondrion inner membrane; Single-pass membrane protein. Note=The C-terminus is located in the intermembrane space (By similarity), while the location of the N- terminus has not been determined yet. As some programs predict the presence of 2 closely apposed membrane domains, it has been proposed that the protein may cross the membrane twice and that both termini may face the intermembrane space (PubMed:22114354). {ECO:0000250, ECO:0000269|PubMed:22114354}

# MINOS1 Antibody (N-term) - Protocols

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

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

## MINOS1 Antibody (N-term) - Images



Western blot analysis of lysate from mouse kidney tissue lysate, using MINOS1 Antibody (N-term)(Cat. #AP20802a). AP20802a was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 35ug.

## MINOS1 Antibody (N-term) - Background

May play a role in mitochondrial architecture (By similarity).

## MINOS1 Antibody (N-term) - References



Gregory S.G., et al. Nature 441:315-321(2006). Alkhaja A.K., et al. Mol. Biol. Cell 23:247-257(2012). Van Damme P., et al. Proc. Natl. Acad. Sci. U.S.A. 109:12449-12454(2012).