

MOSC2 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56809**Specification****MOSC2 Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	O969Z3
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38023

MOSC2 Polyclonal Antibody - Additional Information**Gene ID** 54996**Other Names**

Mitochondrial amidoxime reducing component 2, mARC2, 1.7.-., Molybdenum cofactor sulfuryase C-terminal domain-containing protein 2, MOSC domain-containing protein 2, Moco sulfuryase C-terminal domain-containing protein 2, MTARC2 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=26064), MARC2, MOSC2

Dilution

WB ~ 1:1000
IHC-P ~ N/A
IHC-F ~ N/A
IF ~ 1:50 ~ 200
ICC ~ N/A
E ~ N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

MOSC2 Polyclonal Antibody - Protein Information**Name** MTARC2 ([HGNC:26064](#))**Synonyms** MARC2, MOSC2**Function**

Catalyzes the reduction of N-oxygenated molecules, acting as a counterpart of cytochrome P450 and flavin-containing monooxygenases in metabolic cycles (PubMed: [21029045](http://www.uniprot.org/citations/21029045)), PubMed: [21029045](http://www.uniprot.org/citations/21029045))

[24423752](http://www.uniprot.org/citations/24423752)). As a component of prodrug-converting system, reduces a multitude of N-hydroxylated prodrugs particularly amidoximes, leading to increased drug bioavailability (PubMed: [21029045](http://www.uniprot.org/citations/21029045)), PubMed: [24423752](http://www.uniprot.org/citations/24423752)). May be involved in mitochondrial N(omega)-hydroxy-L-arginine (NOHA) reduction, regulating endogenous nitric oxide levels and biosynthesis (PubMed: [21029045](http://www.uniprot.org/citations/21029045)). Postulated to cleave the N-OH bond of N-hydroxylated substrates in concert with electron transfer from NADH to cytochrome b5 reductase then to cytochrome b5, the ultimate electron donor that primes the active site for substrate reduction (PubMed: [21029045](http://www.uniprot.org/citations/21029045)).

Cellular Location

Mitochondrion outer membrane; Peripheral membrane protein. Peroxisome

MOSC2 Polyclonal Antibody - 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](#)

MOSC2 Polyclonal Antibody - Images