

For Research Use Only

MOSC2 Polyclonal antibody

Catalog Number: 24782-1-AP

1 Publications



Basic Information

Catalog Number:

24782-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop and 247 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG20694

GenBank Accession Number:

BC011973

GeneID (NCBI):

54996

UNIPROT ID:

Q969Z3

Full Name:

MOCO sulphurase C-terminal domain containing 2

Calculated MW:

335 aa, 38 kDa

Observed MW:

35-38 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

IHC 1:100-1:400

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: mouse kidney tissue, mouse liver tissue, rat liver tissue, rat kidney tissue

IHC: human liver cancer tissue, mouse liver tissue

Background Information

MOSC domain-containing protein 2 (also known as MOSC2), also known as MARC2, is a component of prodrug-converting system, reduces a multitude of N-hydroxylated prodrugs particularly amidoximes, leading to increased drug bioavailability. Also, MOSC2 may be involved in mitochondrial N(omega)-hydroxy-L-arginine (NOHA) reduction, regulating endogenous nitric oxide levels and biosynthesis. The reductase activity is regulated under adipogenic conditions, and down-regulation of the terminal component MOSC2 resulted in decreased lipid synthesis, suggesting a possible physiological role of this enzyme system and its component MOSC2 in lipogenesis(PMID: 22203676).

Notable Publications

| Author | Pubmed ID | Journal | Application |
|-----------|-----------|-----------------|-------------|
| Sven Wach | 31878355 | Cancers (Basel) | WB |

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

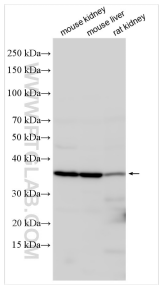
For technical support and original validation data for this product please contact:

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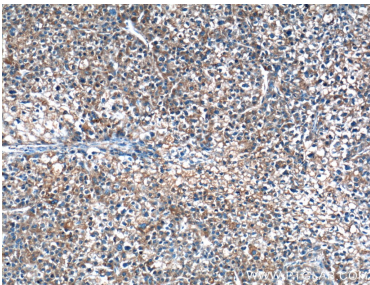
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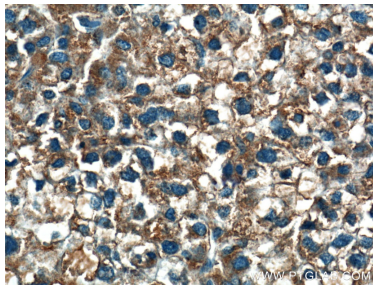
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 24782-1-AP (MOSC2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 24782-1-AP (MOSC2 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 24782-1-AP (MOSC2 Antibody) at dilution of 1:200 (under 40x lens).