

## Rabbit MOCS2 Antibody | anti-MOCS2 antibody

MOCS2

|                              |                       |                                     |
|------------------------------|-----------------------|-------------------------------------|
| CATALOG #<br><b>AAA37433</b> | HOST<br><b>Rabbit</b> | APPLICATIONS<br><b>Western Blot</b> |
|------------------------------|-----------------------|-------------------------------------|

### PRODUCT SYNONYMS

MOCS2; MCBPE; MOCO1; MOCODB; MPTS; anti-MOCS2 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                   |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                            |
| Isotype                                         | IgG                                                                                                               |
| Purity/Purification                             | Affinity purification                                                                                             |
| Form/Format                                     | PBS with 0.02% sodium azide, 50% glycerol, pH7.3.                                                                 |
| Applicable Applications for anti-MOCS2 antibody | WB (Western Blot)                                                                                                 |
| Category                                        | Polyclonal Antibodies                                                                                             |
| Immunogen                                       | Recombinant fusion protein containing a sequence corresponding to amino acids 1-188 of human MOCS2 (NP_004522.1). |
| Preparation and Storage                         | Store at -20°C. Avoid freeze / thaw cycles.                                                                       |

### IMAGES



#### WB (Western Blot)

Western blot analysis of extracts of mouse kidney, using MOCS2 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.

### ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| Related Product Information for anti-MOCS2 antibody | Eukaryotic molybdoenzymes use a unique molybdenum cofactor (MoCo) consisting of a pterin, termed molybdopterin, and the catalytically active metal molybdenum. MoCo is synthesized from precursor Z by the heterodimeric enzyme molybdopterin synthase. The large and small subunits of molybdopterin synthase are both encoded from this gene by overlapping open reading frames. The proteins were initially thought to be encoded from a bicistronic transcript. They are now thought to be encoded from monocistronic transcripts. Alternatively spliced transcripts have been found for this locus that encode the large and small subunits. |
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### NCBI AND UNIPROT INFORMATION

|             |          |
|-------------|----------|
| NCBI GI #   | 28631173 |
| NCBI GeneID | 4338     |

|                                  |                                                                                                                                                                                     |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI Accession #                 | <a href="#">NP_789776.1</a>                                                                                                                                                         |
| NCBI GenBank Nucleotide #        | <a href="#">NM_176806.3</a>                                                                                                                                                         |
| UniProt Accession #              | <a href="#">O96033</a> ; <a href="#">O96007</a>                                                                                                                                     |
| Molecular Weight                 | Observed MW: 13kDa<br>Calculated MW: 9kDa                                                                                                                                           |
| NCBI Official Full Name          | molybdopterin synthase sulfur carrier subunit small subunit MOCS2A                                                                                                                  |
| NCBI Official Synonym Full Names | molybdenum cofactor synthesis 2                                                                                                                                                     |
| NCBI Official Symbol             | MOCS2                                                                                                                                                                               |
| NCBI Official Synonym Symbols    | MPTS; MCBPE; MOCO1                                                                                                                                                                  |
| NCBI Protein Information         | molybdopterin synthase catalytic subunit; molybdopterin synthase sulfur carrier subunit; molybdenum cofactor biosynthesis protein E; molybdopterin synthase small and large subunit |
| UniProt Protein Name             | Molybdopterin synthase sulfur carrier subunit                                                                                                                                       |
| UniProt Gene Name                | <b>MOCS2</b>                                                                                                                                                                        |
| UniProt Synonym Gene Names       | MOCO1; MOCS2A                                                                                                                                                                       |
| UniProt Entry Name               | MOC2A_HUMAN                                                                                                                                                                         |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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