

# MOCS2 Monoclonal antibody

Catalog Number: 68308-1-Ig

## Basic Information

Catalog Number:

68308-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG6282

GenBank Accession Number:

BC046097

GeneID (NCBI):

4338

UNIPROT ID:

O96033

Full Name:

molybdenum cofactor synthesis 2

Calculated MW:

21 kDa

Observed MW:

21 kDa

Purification Method:

Protein G purification

CloneNo.:

3H2D5

Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:200-1:800

## Applications

Tested Applications:

IF/ICC, WB, ELISA

Species Specificity:

Human

Positive Controls:

WB : A549 cells, LNCaP cells, HeLa cells, HEK-293 cells, Jurkat cells, K-562 cells

IF/ICC : HeLa cells,

## Background Information

MOCS2(Molybdenum cofactor synthesis 2) is a heterotetrameric synthase comprised of 2 small (MOCS2A) and 2 large (MOCS2B) subunits. MOCS2 acts as a sulfur carrier required for molybdopterin biosynthesis. The two MOCS2 proteins A and B are subunits of molybdopterin synthase incorporating sulfur groups delivered by the MOCS3 sulfurylase.

## Storage

Storage:

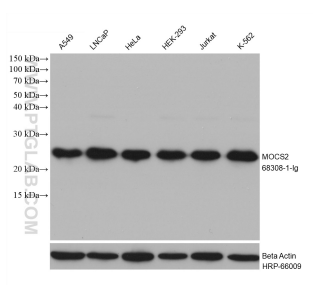
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

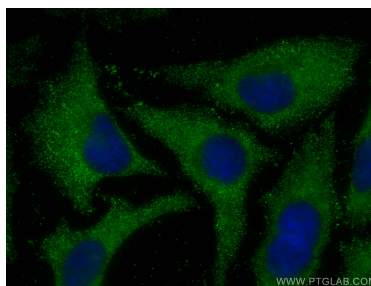
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68308-1-Ig (MOCS2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using MOCS2 antibody (68308-1-Ig, Clone: 3H2D5 ) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).