

For Research Use Only

# MOCS2 Monoclonal antibody

Catalog Number: 68308-1-Ig



## Basic Information

<b>Catalog Number:</b> 68308-1-Ig	<b>GenBank Accession Number:</b> BC046097	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4338	<b>CloneNo.:</b> 3H2D5
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> O96033	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IF/ICC 1:200-1:800
<b>Isotype:</b> IgG1	<b>Full Name:</b> molybdenum cofactor synthesis 2	
<b>Immunogen Catalog Number:</b> AG6282	<b>Calculated MW:</b> 21 kDa	
	<b>Observed MW:</b> 21 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> Human	<b>WB :</b> A549 cells, LNCaP cells, HeLa cells, HEK-293 cells, Jurkat cells, K-562 cells <b>IF/ICC :</b> 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

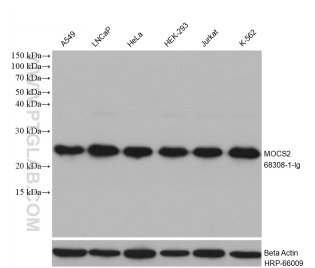
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

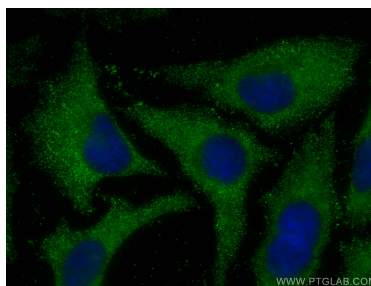
For technical support and original validation data for this product please contact:  
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## Selected Validation Data



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 Goat Anti-Mouse IgG(H+L).