

# CoraLite® Plus 488-conjugated MKP-2 Monoclonal antibody

Catalog Number: **CL488-66349**

## Basic Information

<b>Catalog Number:</b> CL488-66349	<b>GenBank Accession Number:</b> BC014565	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 1846	<b>CloneNo.:</b> 1G1C12
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q13115	<b>Recommended Dilutions:</b> IF/ICC 1:50-1:500
<b>Isotype:</b> IgG1	<b>Full Name:</b> dual specificity phosphatase 4	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG1206	<b>Calculated MW:</b> 43 kDa	
	<b>Observed MW:</b> 43 kDa, 33 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC	<b>Positive Controls:</b> IF/ICC : HepG2 cells,
<b>Species Specificity:</b> human, pig, rat, mouse	

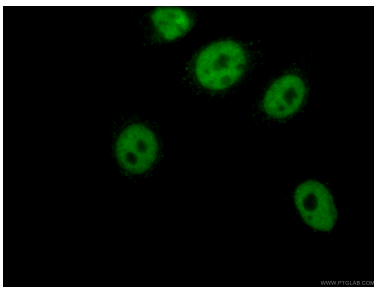
## Background Information

DUSP4, also named as MKP-2, is a member of the mitogen-activated protein (MAP) kinase phosphatase family which has been suggested to play an important role in the feedback control of MAP kinase-mediated gene expression. DUSP4 preferentially inactivates ERK1, ERK2 and JNK, is expressed in a variety of tissues, and is localized in the nucleus. DUSP4 encodes two distinct isoforms: MKP-2-L (43 kDa) and MKP-2-S (33 kDa).

## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CL488-66349 (MKP-2 antibody) at dilution of 1:100.