

For Research Use Only

# CoraLite®594-conjugated COMMD1 Monoclonal antibody



Catalog Number:CL594-67016

## Basic Information

<b>Catalog Number:</b> CL594-67016	<b>GenBank Accession Number:</b> BC022046	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 150684	<b>CloneNo.:</b> 3B10E10
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q8N668	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Isotype:</b> IgG1	<b>Full Name:</b> copper metabolism (Murr1) domain containing 1	<b>Excitation/Emission maxima wavelengths:</b> 588 nm / 604 nm
<b>Immunogen Catalog Number:</b> AG28596	<b>Calculated MW:</b> 190 aa, 21 kDa	
	<b>Observed MW:</b> 18 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC	<b>Positive Controls:</b> IF : HepG2 cells,
<b>Species Specificity:</b> Human, Mouse, Rat, Pig	

## Background Information

COMMD1(COMM domain-containing protein 1), also named MURR1, is implicated in copper homeostasis by binding one copper ion per monomer. COMMD1 was reported to accelerate the ubiquitination and degradation of NF-kappa-B subunits, its deficiency exerts enhanced NF-kappa-B mediated cellular response. Ubiquitinated by XIAP (X-linked inhibitor of apoptosis), COMMD1 undergoes proteasomal degradation. SOD1 activity can be downregulated by COMMD1.

## Storage

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

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

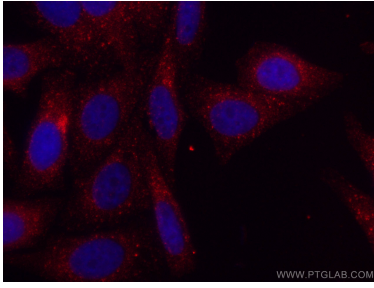
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite®594-conjugated COMMD1 antibody (CL594-67016, Clone: 3B10E10) at dilution of 1:100.