

For Research Use Only

# COMMD1 Monoclonal antibody, PBS Only



Catalog Number: 67016-1-PBS

## Basic Information

|                                      |  |  |
|--------------------------------------|--|--|
| Catalog Number:<br>67016-1-PBS       | GenBank Accession Number:<br>BC022046                          | Purification Method:<br>Protein G purification |
| Size:<br>1 mg/ml                     | GeneID (NCBI):<br>150684                                       | CloneNo.:<br>3B10E10                           |
| Source:<br>Mouse                     | UNIPROT ID:<br>Q8N668  |  |
| Isotype:<br>IgG1                     | Full Name:<br>copper metabolism (Murr1) domain<br>containing 1 |  |
| Immunogen Catalog Number:<br>AG28596 | Calculated MW:<br>190 aa, 21 kDa                               |  |
|                                      | Observed MW:<br>20 kDa   |  |

## Applications

Tested Applications:  
WB, Indirect ELISA, IHC, IF

Species Specificity:  
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 -80°C.  
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:  
PBS Only

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

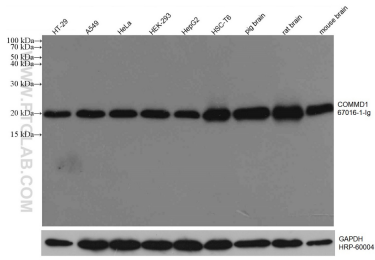
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

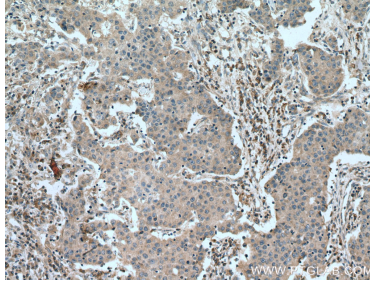
W: [ptgcn.com](http://ptgcn.com)

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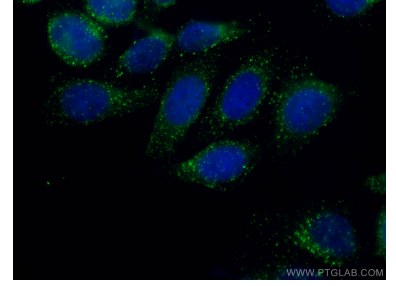
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67016-1-Ig (COMMD1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was developed using the same antibody clone with 67016-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67016-1-Ig (COMMD1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67016-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using COMMD1 antibody (67016-1-Ig, Clone: 3B10E10) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 67016-1-PBS in a different storage buffer formulation.