KO-Validated Anti-COMMD1 Mouse Monoclonal Antibody

Catalog #: 71250

Aliases

COMMD1; Copper Metabolism Domain Containing 1; MURR1; C2orf5; Copper Metabolism (Murr1) Domain Containing 1; COMM Domain-Containing Protein 1; Copper Metabolism Gene MURR1; Protein Murr1; MGC27155; Chromosome 2 Open Reading Frame 5 (MURR1); COMM Domain Containing 1

Background

Gene Name: COMMD1
NCBI Gene Entry: 150684
UniProt Entry: Q8N668

Application Information

Molecular Weight: Predicted, 21 kDa; observed, 18 kDa
Clonality: Mouse monoclonal antibody
Clone ID: 25GB3770
Species Reactivity: Human, mouse
Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

Immunogen

Recombinant protein of human COMMD1

Isotype

Mouse IgG2a

Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

Storage

Store at -20 °C for one year.

Recommended Dilutions

Western Blotting (WB): 1:500-1:2,500
Flow Cytometry (FCM): 1:2,000
Immunocytochemistry (IC): 1:100-1:1,000

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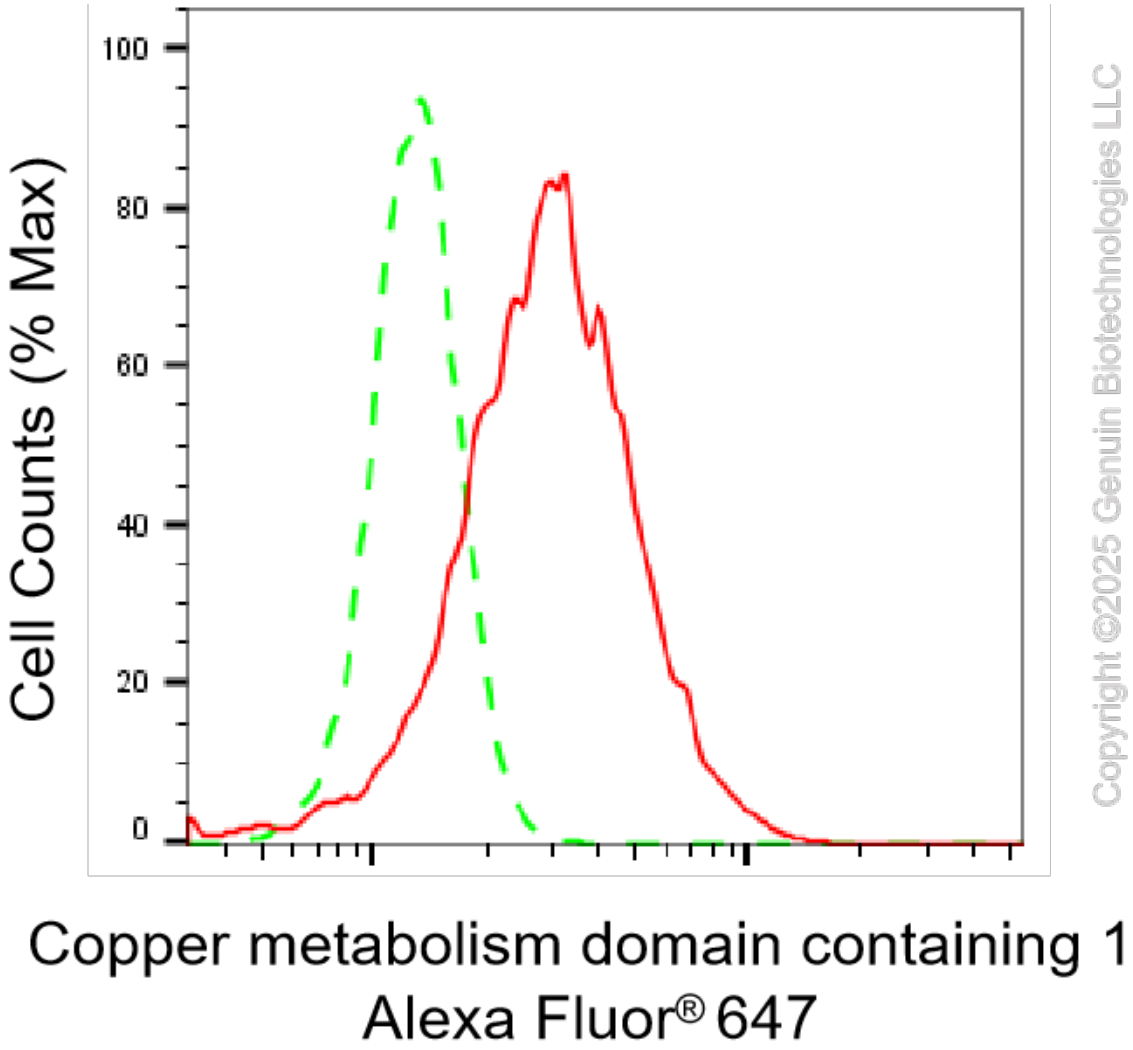
Note: This product is for research use only.

Validation Data



Flow cytometric analysis of Copper metabolism domain containing 1 expression in HepG2 cells using anti-Copper metabolism domain containing 1 antibody (Cat#71250, 1:2,000). Green, isotype control; red, Copper metabolism domain containing 1.

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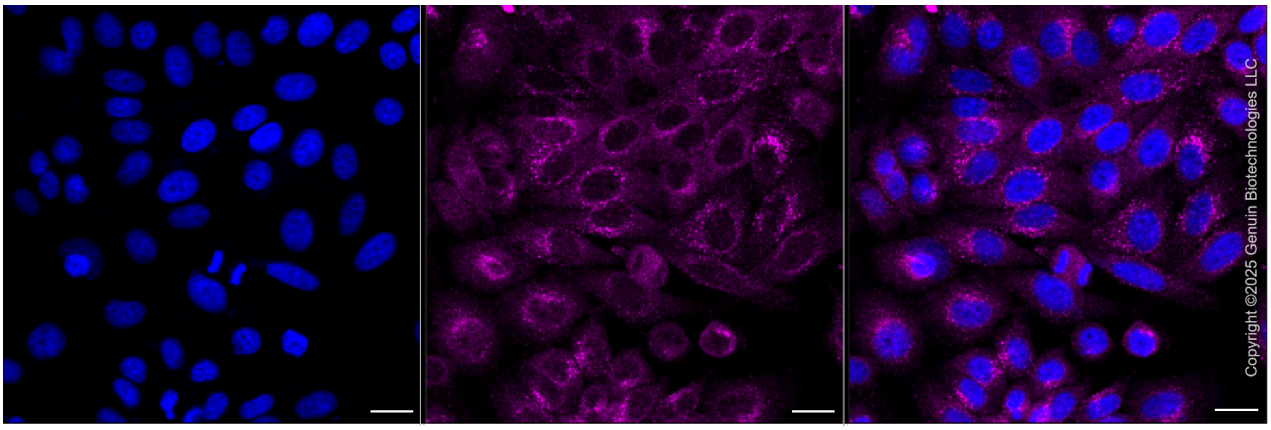
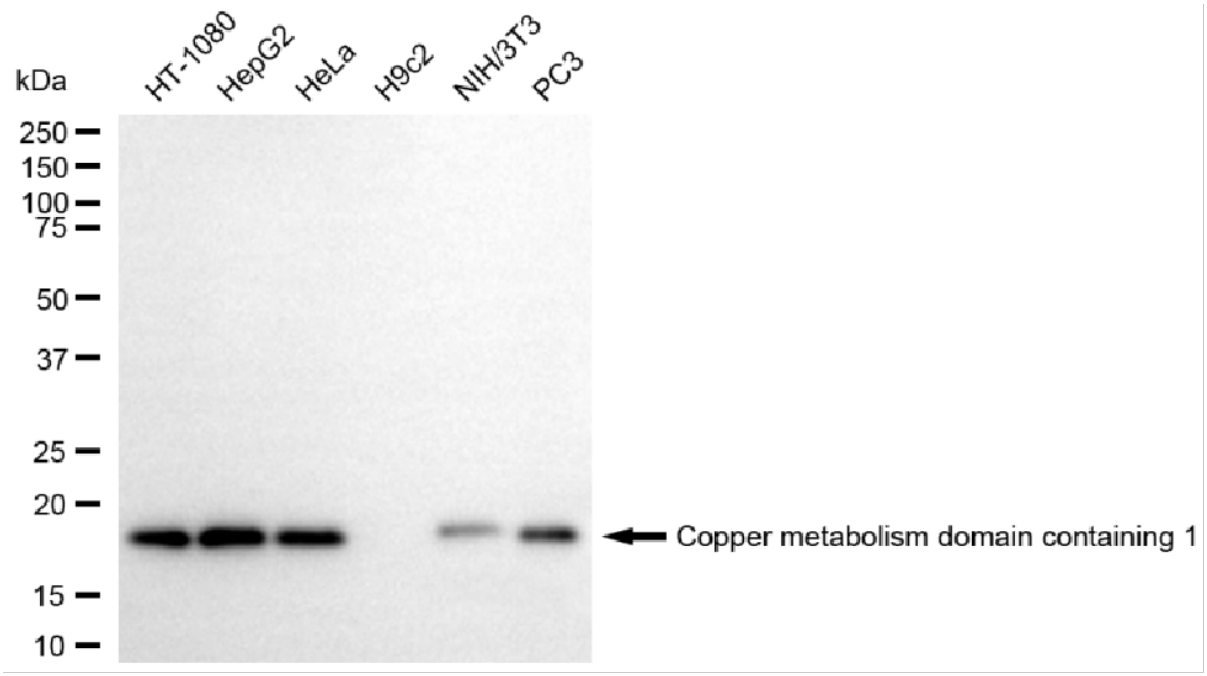


Immunocytochemical staining of HepG2 cells with anti-Copper metabolism domain containing 1 antibody (Cat#71250, 1:1,000). Nuclei were stained blue with DAPI; Copper metabolism domain containing 1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and Smart Gain: Medium. Scale bar, 20 µm.



Western blotting analysis using anti-copper metabolism domain containing 1 antibody (Cat#71250). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-copper metabolism domain containing 1 antibody (Cat#71250, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (Cat#101, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).

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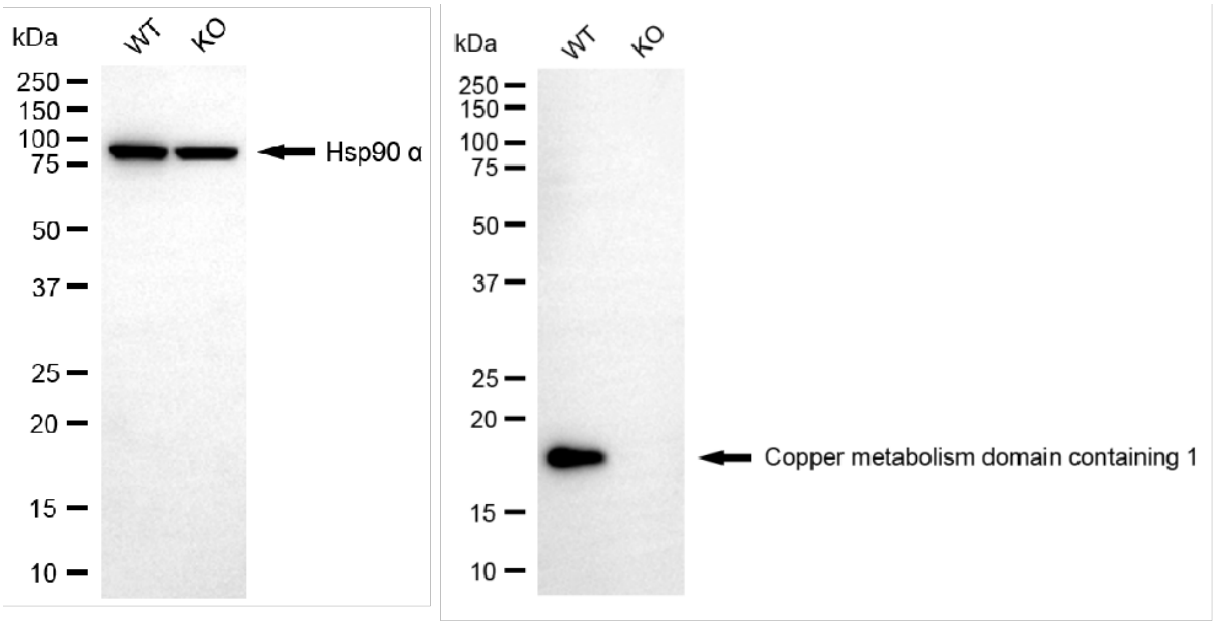

Western blotting analysis using anti-copper metabolism domain containing 1 antibody (Cat#71250). Copper metabolism domain containing 1 expression in wild-type (WT) and copper metabolism domain containing 1 (COMMD1) knockout (KO) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-copper metabolism domain containing 1 antibody (Cat#71250, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (Cat#101, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).