

Product Name: KO-Validated COMMD1 Mouse Monoclonal Antibody**Catalog #: KVA00071**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2a
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2,500; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 21.2kDa

Antigen Information

Gene Name	COMMD1
Alternative Names	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
Gene ID	150684.0
SwissProt ID	Q8N668
Immunogen	Recombinant protein of human COMMD1

Background

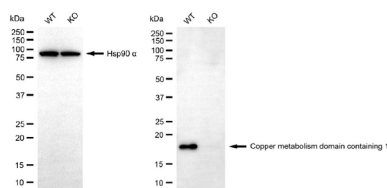
Enables several functions, including phosphatidylinositol-3,4-bisphosphate binding activity; phospholipid binding activity; and

protein homodimerization activity. Involved in several processes, including Golgi to plasma membrane transport; negative regulation of protein localization to cell surface; and regulation of protein metabolic process. Acts upstream of or within negative regulation of NF-kappaB transcription factor activity. Located in cytosol; endosome; and nucleoplasm. Part of Cul2-RING ubiquitin ligase complex. [provided by Alliance of Genome Resources, Jul 2025]

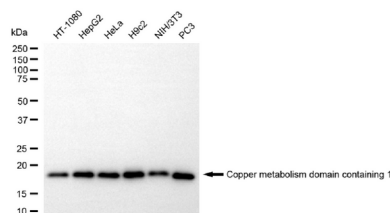
Research Area

Epigenetics and Nuclear Signaling, Signal Transduction, Metabolism

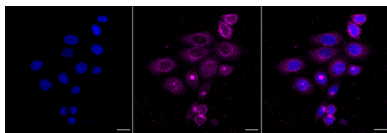
Image Data



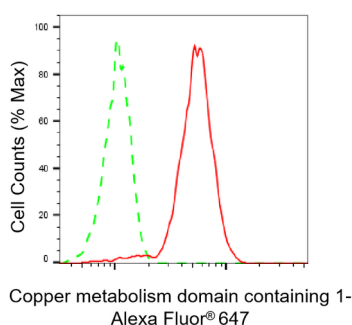
Western blotting analysis using copper metabolism domain containing 1 antibody (KVA00071). Copper metabolism domain containing 1 expression in wild-type (WT) and copper metabolism domain containing 1 (COMMD1) knockout (KO) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with copper metabolism domain containing 1 antibody (KVA00071, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using copper metabolism domain containing 1 antibody (KVA00071). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with copper metabolism domain containing 1 antibody (KVA00071, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with Copper metabolism domain containing 1 antibody (KVA00071, 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: Low. Scale bar, 20 µm.



Flow cytometric analysis of Copper metabolism domain containing 1 expression in HepG2 cells using Copper metabolism domain containing 1 antibody (KVA00071, 1:2,000). Green, isotype control; red, Copper metabolism domain containing 1.