

Product Name: KD-Validated CALCOCO2 Mouse Monoclonal Antibody**Catalog #: KVAAb01237**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
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: 52.3kDa

Antigen Information

Gene Name	CALCOCO2
Alternative Names	CALCOCO2; Calcium Binding And Coiled-Coil Domain 2; NDP52; Calcium-Binding And Coiled-Coil Domain-Containing Protein 2; Antigen Nuclear Dot 52 KDa Protein; Nuclear Domain 10 Protein NDP52; Nuclear Domain 10 Protein 52; Nuclear Dot Protein 52; MGC17318
Gene ID	10241.0
SwissProt ID	Q13137
Immunogen	Recombinant protein of human CALCOCO2

Background

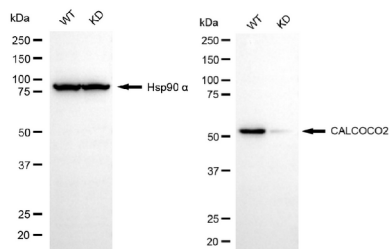
This gene encodes a coiled-coil domain-containing protein. The encoded protein functions as a receptor for ubiquitin-coated

bacteria and plays an important role in innate immunity by mediating macroautophagy. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, May 2012]

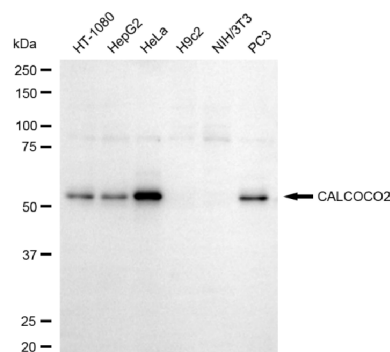
Research Area

Cancer

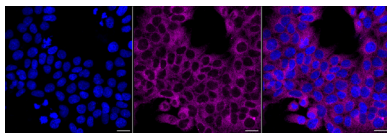
Image Data



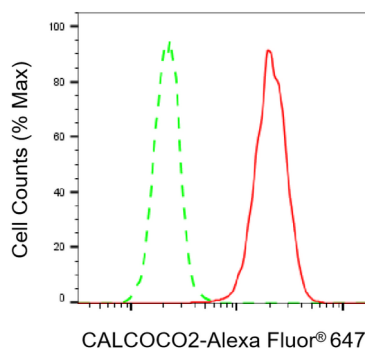
Western blotting analysis using CALCOCO2 antibody (KVA01237). CALCOCO2 expression in wild-type (WT) and CALCOCO2 knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with CALCOCO2 antibody (KVA01237, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using CALCOCO2 antibody (KVA01237). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with CALCOCO2 antibody (KVA01237, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells with CALCOCO2 antibody (KVA01237, 1:1,000). Nuclei were stained blue with DAPI; CALCOCO2 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.



Flow cytometric analysis of CALCOCO2 expression in HeLa cells using CALCOCO2 antibody (KVA01237, 1:2,000). Green, isotype control; red, CALCOCO2.