
Product Name: KD-Validated CANT1 Mouse Oligoclonal Antibody**Catalog #: KVA00352**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM
Reactivity	Human,M
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG
Clonality	Mouse oligoclonal antibody
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 1:400-1:2,000; FC 1:200-1:2,000
Molecular Weight	Calculated MW: 44.8kDa

Antigen Information

Gene Name	CANT1 CANT1; Calcium Activated Nucleotidase 1; SCAN-1; SHAPY; Soluble Ca-Activated Nucleotidase, Isozyme 1; Putative NF-Kappa-B-Activating Protein 107; Soluble Calcium-Activated Nucleotidase 1; Putative MAPK-Activating Protein PM09; Apyrase 1 Homolog (C.
Alternative Names	Lectularius); Apyrase Homolog; Micromelic Dwarfism With Vertebral And Metaphyseal Abnormalities And Advanced Carpotarsal Ossification; Ca2+-Dependent Endoplasmic Reticulum Nucleoside Diphosphatase; Soluble Calcium-Activated Nucleotidase SCAN-1; EC 3.6.1.6; DBQD1; SCAN1; DBQD; EDM7
Gene ID	124583.0
SwissProt ID	Q8WVQ1
Immunogen	Recombinant protein of human CANT1

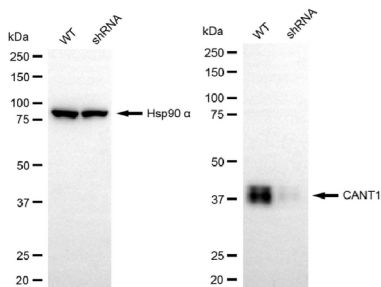
Background

This protein encoded by this gene belongs to the apyrase family. It functions as a calcium-dependent nucleotidase with a preference for UDP. Mutations in this gene are associated with Desbuquois dysplasia with hand anomalies. Alternatively spliced transcript variants have been noted for this gene.[provided by RefSeq, Mar 2010]

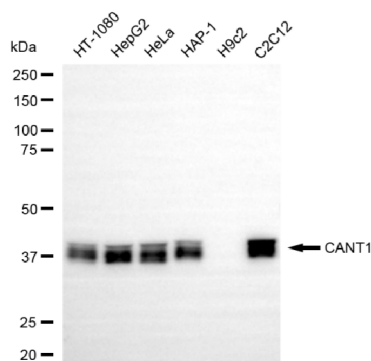
Research Area

Signal Transduction

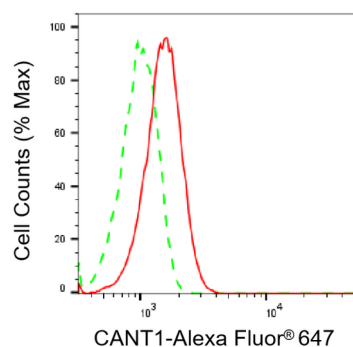
Image Data



Western blotting analysis using CANT1 antibody (KVA00352). CANT1 expression in wild-type (WT) and CANT1 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with CANT1 antibody (KVA00352, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using CANT1 antibody (KVA00352). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with CANT1 antibody (KVA00352, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Flow cytometric analysis of CANT1 expression in C2C12 cells using CANT1 antibody (KVA00352, 1:2,000). Green, isotype control; red, CANT1.