
Product Name: KD-Validated CC2D1A Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA01651

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit 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 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 104.1kDa

Antigen Information

Gene Name	CC2D1A CC2D1A; Coiled-Coil And C2 Domain Containing 1A; Five Prime Repressor Element Under Dual; Repression-Binding Protein 1; Akt Kinase-Interacting Protein 1; MRT3; TAPE; Coiled-Coil And C2 Domain-Containing Protein 1A; FRE Under Dual Repression-Binding Protein 1;
Alternative Names	Putative NF-Kappa-B-Activating Protein 023N; TBK1-Associated Protein In Endolysosomes 2; Lethal (2) Giant Discs Homolog 2; FLJ20241; Freud-1; FREUD-1; Aki-1; Lgd2; Five Repressor Element Under Dual Repression-Binding Protein 1; Mental Retardation, Nonsyndromic, Autosomal Recessive, 3; Putative NFkB Activating Protein; Freud-1/Aki1; AKI-1; LGD2; AKI1
Gene ID	54862.0
SwissProt ID	Q6P1N0
Immunogen	A synthesized peptide derived from CC2D1A

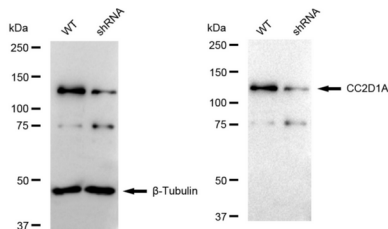
Background

This gene encodes a transcriptional repressor that binds to a conserved 14-bp 5'-repressor element and regulates expression of the 5-hydroxytryptamine (serotonin) receptor 1A gene in neuronal cells. The DNA binding and transcriptional repressor activities of the protein are inhibited by calcium. A mutation in this gene results in a nonsyndromic form of cognitive disability (MRT3). [provided by RefSeq, Jul 2017]

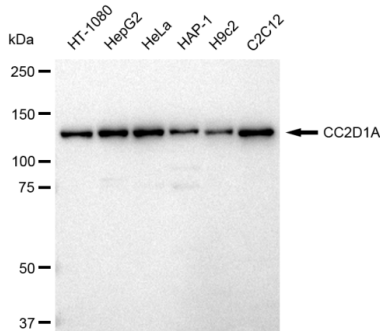
Research Area

Epigenetics and Nuclear Signaling

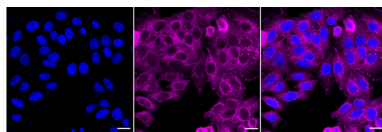
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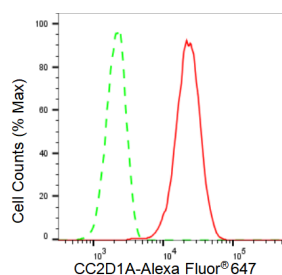
Western blotting analysis using CC2D1A antibody (KVA01651). CC2D1A expression in wild type (WT) and CC2D1A shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with CC2D1A antibody (KVA01651, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using CC2D1A antibody (KVA01651). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with CC2D1A antibody (KVA01651, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively. CC2D1A, coiled-coil and C2 domain containing 1A.



Immunocytochemical staining of HepG2 cells with CC2D1A antibody (KVA01651, 1:1,000). Nuclei were stained blue with DAPI; CC2D1A 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 CC2D1A expression in C2C12 cells using CC2D1A antibody (KVA01651, 1:2,000). Green, isotype control; red, CC2D1A.