

Product Name: KD-Validated ACBD3 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA01557

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human
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: 60.6kDa

Antigen Information

Gene Name	ACBD3 ACBD3; Acyl-CoA Binding Domain Containing 3; GCP60; PBR- And PKA-Associated Protein 7; GOCAP1; GOLPH1; PAP7; Peripheral Benzodiazepine Receptor-Associated Protein PAP7;
Alternative Names	Acyl-Coenzyme A Binding Domain Containing 3; Golgi Complex Associated Protein 1, 60kDa; Golgi Resident Protein GCP60; Golgi Phosphoprotein 1; Acyl-CoA-Binding Domain-Containing Protein; Golgi Complex-Associated Protein 1; PKA (RIalpha)-Associated Protein
Gene ID	64746.0
SwissProt ID	Q9H3P7
Immunogen	A synthesized peptide derived from human ACBD3

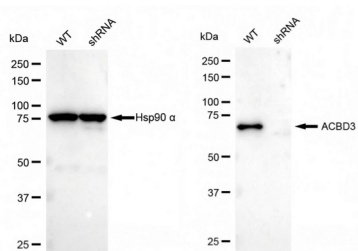
Background

The Golgi complex plays a key role in the sorting and modification of proteins exported from the endoplasmic reticulum. The protein encoded by this gene is involved in the maintenance of Golgi structure and function through its interaction with the integral membrane protein giantin. It may also be involved in the hormonal regulation of steroid formation. [provided by RefSeq, Jul 2008]

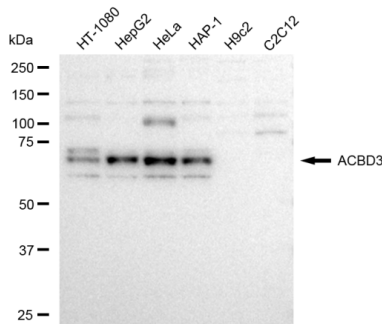
Research Area

Tags & Cell Markers, Signal Transduction, Metabolism

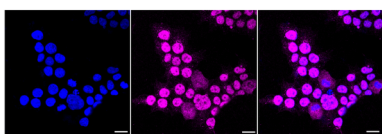
Image Data



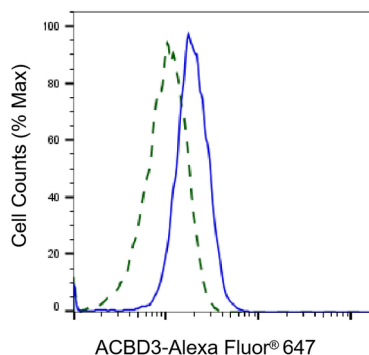
Western blotting analysis using ACBD3 antibody (KVA01557). ACBD3 expression in wild type (WT) and ACBD3 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with ACBD3 antibody (KVA01557, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



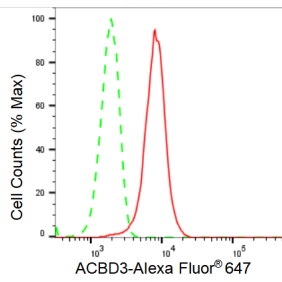
Western blotting analysis using ACBD3 antibody (KVA01557). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with ACBD3 antibody (KVA01557, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells with ACBD3 antibody (KVA01557, 1:1,000). Nuclei were stained blue with DAPI; ACBD3 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.



Validation of ACBD3 knockdown using flow cytometry. Wild-type (WT, Blue) and knockdown (KD, Green) HeLa cells were stained with ACBD3 antibody (KVA01557, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of ACBD3 expression in HeLa cells using ACBD3 antibody (KVA01557, 1:2,000). Green, isotype control; red, ACBD3.