10320 Camino Santa Fe, Suite G
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KD-Validated Anti-ACBD3 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1215

Specification

KD-Validated Anti-ACBD3 Rabbit Monoclonal Antibody - Product Information

Application	**WB, FC, ICC**
Primary Accession	Q9H3P7
Reactivity	**Human**
Clonality	**Monoclonal**
Isotype	**Rabbit IgG**
Calculated MW	**Predicted, 60 kDa , observed, 70 kDa KDa**
Gene Name	**ACBD3**
Aliases	**ACBD3; Acyl-CoA Binding Domain Containing 3; GCP60; PBR- And PKA-Associated Protein 7; GOCAP1; GOLPH1; PAP7; Peripheral Benzodiazepine Receptor-Associated Protein PAP7; 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**
Immunogen	**A synthesized peptide derived from human ACBD3**

KD-Validated Anti-ACBD3 Rabbit Monoclonal Antibody - Additional Information

Gene ID	**64746**

Other Names

Golgi resident protein GCP60, Acyl-CoA-binding domain-containing protein 3, Golgi complex-associated protein 1, GOCAP1, Golgi phosphoprotein 1, GOLPH1, PBR- and PKA-associated protein 7, Peripheral benzodiazepine receptor-associated protein PAP7, Golgi resident protein GCP60, N-terminally processed, ACBD3, GCP60, GOCAP1, GOLPH1

KD-Validated Anti-ACBD3 Rabbit Monoclonal Antibody - Protein Information

Name ACBD3

Synonyms GCP60, GOCAP1, GOLPH1

Function

Involved in the maintenance of Golgi structure by interacting with giantin, affecting protein transport between the endoplasmic reticulum and Golgi (PubMed:11590181). Involved in hormone-induced steroid biosynthesis in testicular Leydig cells (By similarity). Recruits PI4KB to

the Golgi apparatus membrane; enhances the enzyme activity of PI4KB activity via its membrane recruitment thereby increasing the local concentration of the substrate in the vicinity of the kinase (PubMed:27009356).

Cellular Location
Golgi apparatus membrane; Peripheral membrane protein; Cytoplasmic side. Mitochondrion. Note=Also mitochondrial (via its interaction with PBR).

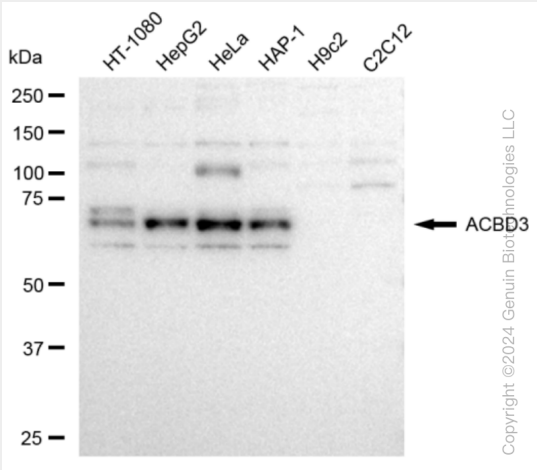
Tissue Location
Ubiquitous, with highest expression in testis and ovary.

KD-Validated Anti-ACBD3 Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KD-Validated Anti-ACBD3 Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-ACBD3 antibody (Cat#61429). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-ACBD3 antibody (Cat#61429, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).

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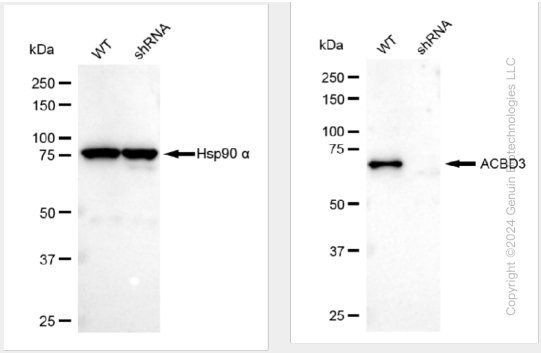
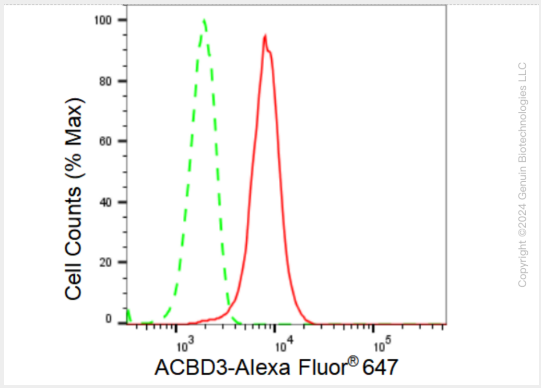
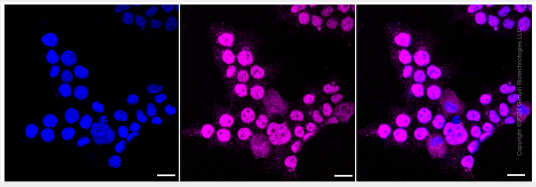


Western blotting analysis using anti-ACBD3 antibody (Cat#61429). ACBD3 expression in wild type (WT) and ACBD3 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-ACBD3 antibody (Cat#61429, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).



Flow cytometric analysis of ACBD3 expression in HeLa cells using ACBD3 antibody (Cat#61429, 1:2,000). Green, isotype control; red, ACBD3.



Immunocytochemical staining of Hela cells with ACBD3 antibody (Cat#61429, 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.