10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ABHDB Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP9420C

Specification

ABHDB Antibody (Center) - Product Information

Application	**WB, FC,E**
Primary Accession	Q8NFV4
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**33747**
Antigen Region	**176-205**

ABHDB Antibody (Center) - Additional Information

Gene ID 83451

Other Names
Alpha/beta hydrolase domain-containing protein 11, Abhydrolase domain-containing protein 11, 3---, Williams-Beuren syndrome chromosomal region 21 protein, ABHD11, WBSCR21

Target/Specificity
This ABHDB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 176-205 amino acids from the Central region of human ABHDB.

Dilution
WB~~1:1000
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
ABHDB Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

ABHDB Antibody (Center) - Protein Information

Name ABHD11 (HGNC:16407)

Synonyms WBSCR21

Function Catalyzes the hydrolysis of diacylglycerol in vitro and may function as a key regulator in lipid metabolism, namely by regulating the intracellular levels of diacylglycerol (PubMed:32579589). 1,2- diacyl-sn-glycerols are the preferred substrate over 1,3-diacyl-sn-glycerols (By similarity). The enzyme hydrolyzes stearate in preference to palmitate from the sn-1 position of 1,2-diacyl-sn-glycerols (By similarity). Maintains the functional lipoylation of the 2-oxoglutarate dehydrogenase complex (OGDHc) through its interaction with the OGDHc by preventing the formation of lipoyl adducts (PubMed:32792488). In addition, is also required for the expansion and differentiation of embryonic stem cells (ESCs) (By similarity).

Cellular Location
Mitochondrion. Mitochondrion matrix

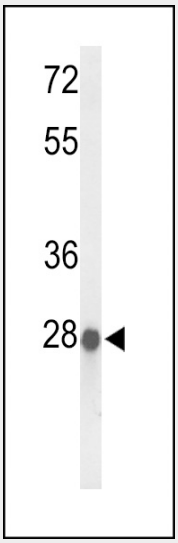
Tissue Location
Ubiquitously expressed (PubMed:12073013). Highly expressed in small intestine, prostate and thyroid, while aorta and colon tissues exhibit weak expression levels (PubMed:32579589)

ABHDB Antibody (Center) - Protocols

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

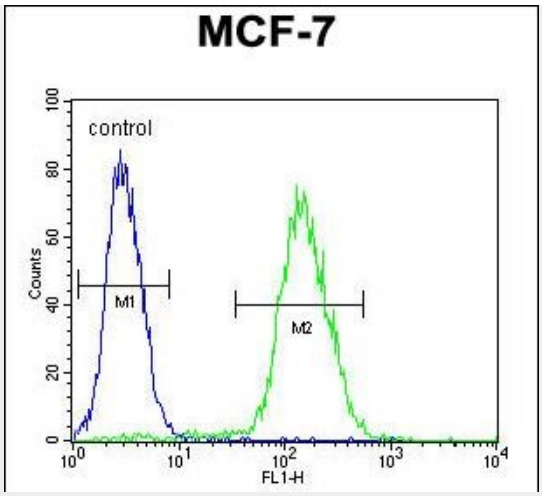
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ABHDB Antibody (Center) - Images



Western blot analysis of ABHDB Antibody (Center) (Cat. #AP9420c) in MCF-7 cell line lysates (35ug/lane). ABHDB (arrow) was detected using the purified Pab.

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ABHDB Antibody (Center) (Cat. #AP9420c) flow cytometric analysis of MCF-7 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ABHDB Antibody (Center) - Background

ABHDB encodes a protein containing an alpha/beta hydrolase fold domain. This protein is deleted in Williams syndrome, a multisystem developmental disorder caused by the deletion of contiguous genes at 7q11.23.

ABHDB Antibody (Center) - References

Tsuritani, K., et al. Genome Res. 17(7):1005-1014(2007)
Wan, D., et al. Proc. Natl. Acad. Sci. U.S.A. 101(44):15724-15729(2004)
Merla, G., et al. Hum. Genet. 110(5):429-438(2002)