

ABHDB Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9420C**Specification**

ABHDB Antibody (Center) - Product Information

Application	FC, WB,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

FC~~1:10~50

WB~~1:1000

E~~Use at an assay dependent concentration.

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

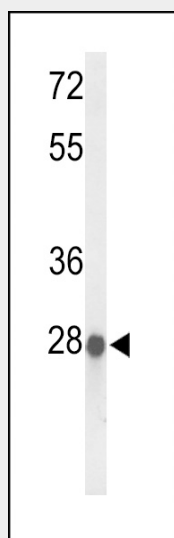
Ubiquitously expressed (PubMed:12073013). Highly expressed in small intestine, prostate and thyroid, while aorta and colon tissues exhibit weak expression levels (PubMed:32579589)

ABHDB Antibody (Center) - Protocols

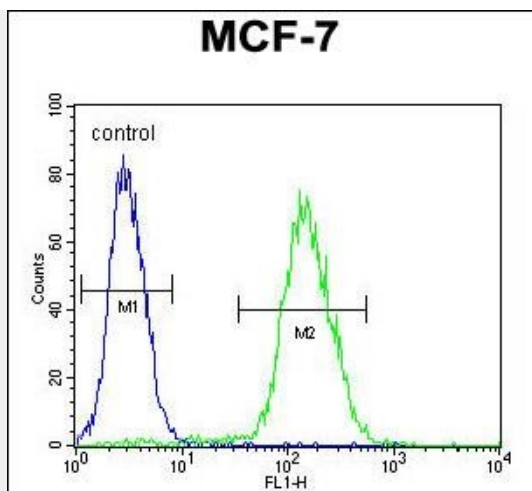
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [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.



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)