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ABHDB Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP9420c

Specification

ABHDB Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q8NFV4

ABHDB Antibody (Center) Blocking Peptide - 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

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ABHDB Antibody (Center) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- Blocking Peptides

ABHDB Antibody (Center) Blocking Peptide - Images

ABHDB Antibody (Center) Blocking Peptide - 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) Blocking Peptide - 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)