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ABHD5 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI12020

Specification

ABHD5 antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	Q8WTS1
Other Accession	NM_016006, NP_057090
Reactivity	**Human, Mouse, Rat, Rabbit, Pig, Sheep, Horse, Bovine, Dog**
Predicted	**Human, Mouse, Rat, Rabbit, Pig, Sheep, Horse, Bovine, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**39kDa KDa**

ABHD5 antibody - N-terminal region - Additional Information

Gene ID 51099

Alias Symbol	**CDS, CGI58, IECN2, MGC8731, NCIE2**

Other Names
1-acylglycerol-3-phosphate O-acyltransferase ABHD5, 2.3.1.51, Abhydrolase domain-containing protein 5, Lipid droplet-binding protein CGI-58, ABHD5, NCIE2

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 100 ul of distilled water. Final anti-ABHD5 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions
ABHD5 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

ABHD5 antibody - N-terminal region - Protein Information

Name ABHD5 (HGNC:21396)

Synonyms NCIE2

Function
Coenzyme A-dependent lysophosphatidic acid acyltransferase that catalyzes the transfer of an acyl group on a lysophosphatidic acid (PubMed:18606822). Functions preferentially with 1-oleoyl- lysophosphatidic acid followed by 1-palmitoyl-lysophosphatidic acid, 1-

stearoyl-lysophosphatidic acid and 1-arachidonoyl-lysophosphatidic acid as lipid acceptor. Functions preferentially with arachidonoyl-CoA followed by oleoyl-CoA as acyl group donors (By similarity). Functions in phosphatidic acid biosynthesis (PubMed:18606822). May regulate the cellular storage of triacylglycerol through activation of the phospholipase PNPLA2 (PubMed:16679289). Involved in keratinocyte differentiation (PubMed:18832586). Regulates lipid droplet fusion (By similarity).

Cellular Location
Cytoplasm. Lipid droplet {ECO:0000250|UniProtKB:Q9DBL9}. Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q9DBL9}. Note=Colocalized with PLIN and ADRP on the surface of lipid droplets. The localization is dependent upon the metabolic status of the adipocytes and the activity of PKA (By similarity).

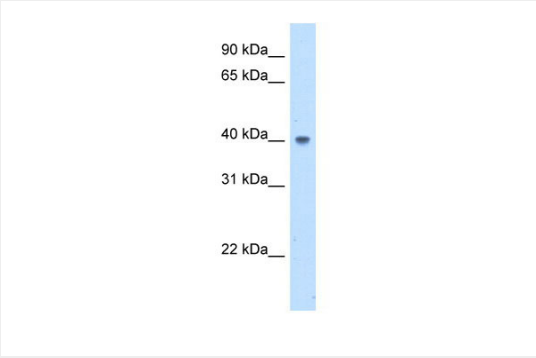
Tissue Location
Widely expressed in various tissues, including lymphocytes, liver, skeletal muscle and brain. Expressed by upper epidermal layers and dermal fibroblasts in skin, hepatocytes and neurons (at protein level).

ABHD5 antibody - N-terminal region - 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

ABHD5 antibody - N-terminal region - Images



WB Suggested Anti-ABHD5 Antibody Titration: 5.0µg/ml
Positive Control: Transfected 293T

ABHD5 antibody - N-terminal region - References

Bruno,C., (2008) Biochem. Biophys. Res. Commun. 369 (4), 1125-1128 Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.