

ABHD5 Polyclonal Antibody

Catalog number: 12201-1-AP

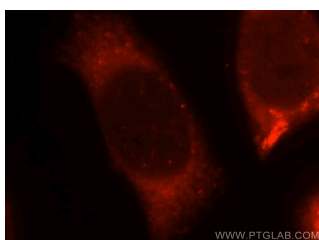
Size: 38 µg/150 µl

Source: Rabbit

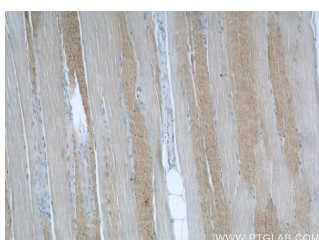
Isotype: IgG

Synonyms:

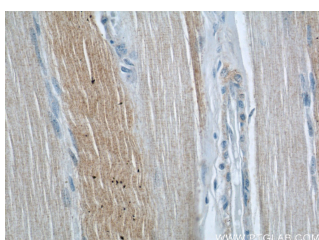
ABHD5; ABHD5, CDS, CGI58, IECN2, NCIE2



Immunofluorescent analysis of MCF-7 cells, using ABHD5 antibody 12201-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



Immunohistochemical of paraffin-embedded human skeletal muscle using 12201-1-AP (ABHD5 antibody) at dilution of 1:50 (under 10x lens)



Immunohistochemical of paraffin-embedded human skeletal muscle using 12201-1-AP (ABHD5 antibody) at dilution of 1:50 (under 40x lens)

Background

ABHD5, also named as NCIE2 and CGI-58, belongs to the peptidase S33 family. ABHD4/ABHD5 subfamily. It is a Lysophosphatidic acid acyltransferase which functions in phosphatidic acid biosynthesis. ABHD5 may regulate the cellular storage of triacylglycerol through activation of the phospholipase PNPLA2. It is involved in keratinocyte differentiation. ABHD5 is an evolutionarily conserved protein that acts as a potent activator of Atgl. Abhd5 is expressed in several tissues that lack Plin, raising the possibility that this co-activator might interact with additional PAT proteins. Abhd5 and Mldp are highly colocalized on individual lipid droplets. (PMID:19064991) Defects in ABHD5 are the cause of Chananin-Dorfman syndrome (CDS).

Applications

Tested applications:	ELISA, WB, IF, IHC
Cited applications:	IF, IP, WB
Species specificity:	Human, Mouse; other species not tested.
Cited species:	Human, mouse
Calculated ABHD5 MW:	349aa, 39 kDa
Observed ABHD5 MW:	39 kDa
Positive WB detected in	Jurkat cells, human brain tissue, human cerebellum tissue, mouse heart tissue
Positive IHC detected in	Human skeletal muscle tissue, human liver tissue
Positive IF detected in	MCF-7 cells
Recommended dilution:	WB: 1:200-1:2000 IHC: 1:20-1:200 IF: 1:10-1:100

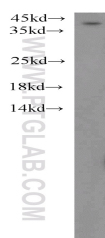
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag2840
GenBank accession number:	BC021958
Gene ID (NCBI):	51099
Full name:	Abhydrolase domain containing 5

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



Jurkat cells were subjected to SDS PAGE followed by

western blot with 12201-1-
AP(ABHD5 antibody) at
dilution of 1:500