For Research Use Only

ABHD5 Monoclonal antibody, PBS Only

Catalog Number:67779-1-PBS

Basic Information

Catalog Number:
67779-1-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG2b

Immunogen Catalog Number:
AG30256

GenBank Accession Number:
BC021958

GeneID (NCBI):
51099

UNIPROT ID:
Q8WTS1

Full Name:
abhydrolase domain containing 5

Calculated MW:
349 aa, 39 kDa

Observed MW:
39 kDa

Purification Method:
Protein A purification

CloneNo.:
2B12C2

Applications

Tested Applications:
WB, IF, Indirect ELISA

Species Specificity:
Human

Background Information

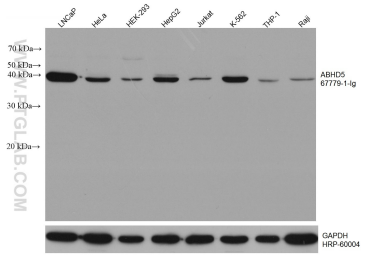
ABHD5, also named as NCIE2 and CGI-58, belongs to the peptidase S33 family. ABHD4/ABHD5 subfamily. It is a Lysophosphatidic acid acyltransferase which functions in phosphatidic acid biosynthesis. ABHD5 may regulate the cellular storage of triacylglycerol through activation of the phospholipase PNPLA2. 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 Chanarin-Dorfman syndrome (CDS).

Storage

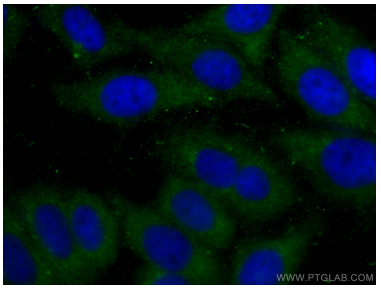
Storage:
Store at -80°C.
Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67779-1-Ig (ABHD5 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was developed using the same antibody clone with 67779-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using ABHD5 antibody (67779-1-Ig, Clone: 2B12C2) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 67779-1-PBS in a different storage buffer formulation.