

For Research Use Only

# PE-conjugated ABHD5 Polyclonal antibody

Catalog Number: PE-12201

Featured Product



## Basic Information

Catalog Number:

PE-12201

Size:

100ul , Concentration: 1000 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2840

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:

Antigen affinity purification

Recommended Dilutions:

FC (Intra): 0.1 ug per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

496 nm, 565 nm / 578 nm

## Applications

Tested Applications:

ELISA

Species Specificity:

human, mouse

Positive Controls:

FC (Intra) : mouse splenocytes, mouse thymocytes

## 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 -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

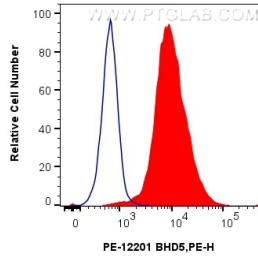
For technical support and original validation data for this product please contact:

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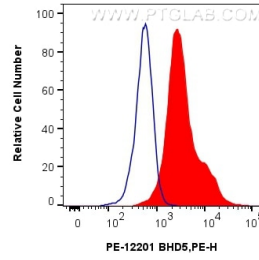
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## Selected Validation Data



1x10<sup>6</sup> mouse splenocytes were intracellularly stained with 0.1 ug PE-conjugated ABHD5 Polyclonal antibody (PE-12201)(red), or 0.1 ug PE Rabbit IgG Isotype Control RecAb (PE-98136, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



1x10<sup>6</sup> mouse thymocytes were intracellularly stained with 0.1 ug PE-conjugated ABHD5 Polyclonal antibody (PE-12201)(red), or 0.1 ug PE Rabbit IgG Isotype Control RecAb (PE-98136, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).