

PHYHIPL Polyclonal antibody

Catalog Number: 16937-1-AP

Basic Information

Catalog Number:

16937-1-AP

Size:

600 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10435

GenBank Accession Number:

BC011268

GeneID (NCBI):

84457

UNIPROT ID:

Q96FC7

Full Name:

phytanoyl-CoA 2-hydroxylase
interacting protein-like

Calculated MW:

376 aa, 43 kDa

Observed MW:

39 kDa and 42-45 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:5000

IHC 1:50-1:500

IF-P 1:50-1:500

Applications

Tested Applications:

IF/ICC, IHC, WB, ELISA

Species Specificity:

human, mouse, rat

**Note-IHC: suggested antigen retrieval with
TE buffer pH 9.0; (*) Alternatively, antigen
retrieval may be performed with citrate
buffer pH 6.0**

Positive Controls:

WB : mouse brain tissue, rat brain tissue, mouse testis
tissue, rat testis tissue

IHC : mouse brain tissue, mouse testis tissue

IF-P : mouse brain tissue,

Background Information

PHYHIPL, a kind of mitochondrial protein, is associated with energy production, oxidative stress and organelle dynamics. It is reported that global ischemia is related to the change of PHYHIPL protein level. Compared with the control group, the level of APOE (may be involved in abnormal regulation of mitochondrial function) is significantly increased after ischemic stimulation, while the APOE genotype has a effect on PHYHIPL protein level. 16937-1-AP detects 39 kDa isoform and 42-45 kDa isoform in SDS-PAGE. (PMID: 21878944)

Storage

Storage:

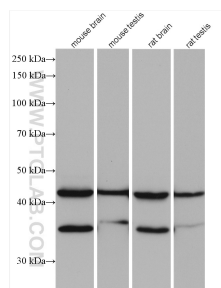
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

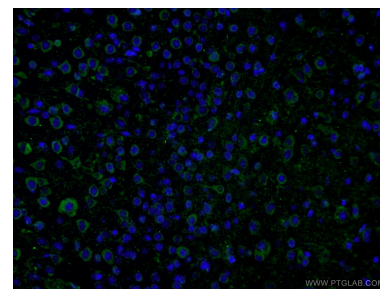
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 16937-1-AP (PHYHIPL antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 16937-1-AP (PHYHIPL antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using 16937-1-AP (PHYHIPL antibody) at dilution of 1:50 and CoraLite488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).