

For Research Use Only

# PHYHIPL Polyclonal antibody

Catalog Number: 16937-1-AP



## Basic Information

<b>Catalog Number:</b> 16937-1-AP	<b>GenBank Accession Number:</b> BC011268	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 600 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 84457	<b>Recommended Dilutions:</b> WB 1:1000-1:5000 IHC 1:50-1:500 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> phytanoyl-CoA 2-hydroxylase interacting protein-like	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 376 aa, 43 kDa	
<b>Immunogen Catalog Number:</b> AG10435	<b>Observed MW:</b> 39 kDa and 42-45 kDa	

## Applications

### Tested Applications:

IF, 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 : 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

**\*\*\* 20ul sizes contain 0.1% BSA**

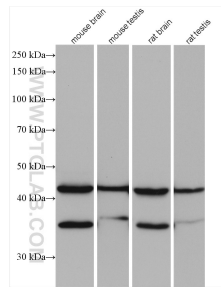
For technical support and original validation data for this product please contact:

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

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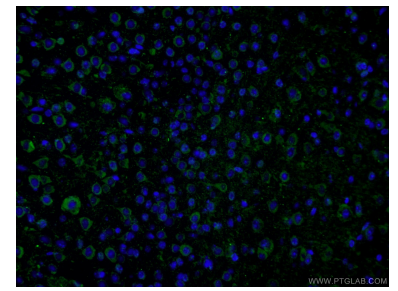
## Selected Validation Data



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).