

For Research Use Only

PHYHIPL Polyclonal antibody

Catalog Number: 16937-1-AP



Basic Information

Catalog Number: 16937-1-AP	GenBank Accession Number: BC011268	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 600 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 84457	Recommended Dilutions: WB 1:1000-1:5000
Source: Rabbit	UNIPROT ID: Q96FC7	IHC 1:50-1:500
Isotype: IgG	Full Name: phytanoyl-CoA 2-hydroxylase interacting protein-like	IF-P 1:50-1:500
Immunogen Catalog Number: AG10435	Calculated MW: 376 aa, 43 kDa	
	Observed MW: 39 kDa and 42-45 kDa	

Applications

Tested Applications: WB, IF-P, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : mouse brain tissue, rat brain tissue, mouse testis tissue, rat testis tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	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

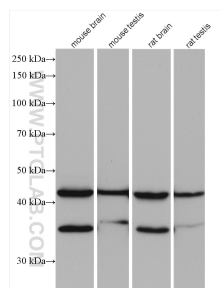
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

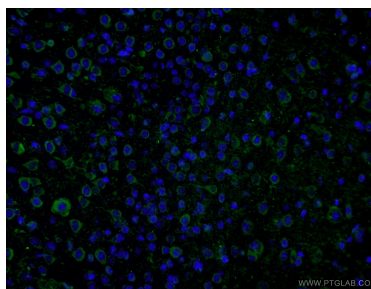
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



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.



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