

For Research Use Only

PHLPP Monoclonal antibody

Catalog Number: 67640-1-Ig **3 Publications**



Basic Information

Catalog Number:

67640-1-Ig

Size:

1900 µg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG18982

GenBank Accession Number:

BC126277

GeneID (NCBI):

23239

UNIPROT ID:

O60346

Full Name:

PH domain and leucine rich repeat protein phosphatase

Calculated MW:

1717 aa, 184 kDa

Observed MW:

185 kDa

Purification Method:

Protein A purification

CloneNo.:

2E8E6

Recommended Dilutions:

WB 1:1000-1:6000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

Human, mouse, rat, pig

Cited Species:

human, mouse, pig

Positive Controls:

WB: mouse brain tissue, rat brain tissue, pig brain tissue, HEK-293 cells

Background Information

PHLPP (PH domain leucine-rich-repeats protein phosphatase) belongs to a novel family of Ser/Thr protein phosphatases that consists of PHLPP1 and PHLPP2 isoforms. It has been shown that PHLPP negatively regulates multiple oncogenic pathways by directly dephosphorylating and inactivating key signaling molecules, including Akt, S6K, and RAF1. Observed MW of PHLPP is 185 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Xiaoman Zhu	36096985	Cell Death Dis	WB
Agus Suryawan	36402914	Pediatr Res	WB
Zong-Ze Zhang	35602094	Oxid Med Cell Longev	WB

Storage

Storage:

Store at -20°C.

Storage Buffer:

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

Aliquoting is unnecessary for -20°C storage

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

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Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 67640-1-Ig (PHLPP antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.