

For Research Use Only

# PHLPP Monoclonal antibody

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



## Basic Information

<b>Catalog Number:</b> 67640-1-Ig	<b>GenBank Accession Number:</b> BC126277	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1900 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 23239	<b>CloneNo.:</b> 2E8E6
<b>Source:</b> Mouse	<b>Full Name:</b> PH domain and leucine rich repeat protein phosphatase	<b>Recommended Dilutions:</b> WB 1:1000-1:6000
<b>Isotype:</b> IgG2b	<b>Calculated MW:</b> 1717 aa, 184 kDa	
<b>Immunogen Catalog Number:</b> AG18982	<b>Observed MW:</b> 185 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : mouse brain tissue, rat brain tissue, pig brain tissue, HEK-293 cells
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> Human, mouse , rat, pig	
<b>Cited Species:</b> human, mouse, pig	

## 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

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

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.