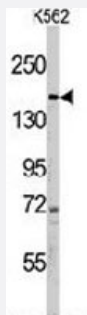


PHLPP1 polyclonal antibody

Catalog # PAB3527

Size 400 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of PHLPP1 polyclonal antibody (Cat # PAB3527) in K-562 cell line lysates (35 ug/lane). PHLPP1 (arrow) was detected using the purified polyclonal antibody (1:1000 dilution).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PHLPP1.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human PHLPP1.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Ammonium sulfate precipitation
Recommend Usage	Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of PHLPP1 polyclonal antibody (Cat # PAB3527) in K-562 cell line lysates (35 ug/lane). PHLPP1 (arrow) was detected using the purified polyclonal antibody (1:1000 dilution).

Gene Info — PHLPP1

Entrez GeneID	23239
Protein Accession#	O60346
Gene Name	PHLPP1
Gene Alias	MGC161555, PHLPP1, PLEKHE1, SCOP, PHLPP
Gene Description	PH domain and leucine rich repeat protein phosphatase 1
Omim ID	609396
Gene Ontology	Hyperlink
Gene Summary	family E (with leucine rich repeats) member 1; suprachiasmatic nucleus circad
Other Designations	PH domain leucine-rich repeat-containing protein phosphatase 1; PH domain-containing family E member 1; SCN circadian oscillatory protein; pleckstrin homology domain containing, family E (with leucine rich repeats) member 1; suprachiasmatic nucleus circad

Publication Reference

- [The phosphatase PHLPP controls the cellular levels of protein kinase C.](#)

Gao T, Brognard J, Newton AC.

The Journal of Biological Chemistry 2008 Mar; 283(10):6300.

Application: WB-Tr, Human, DLD-1, H157, HEK 293T, Hs578Bst, MCF-10A cells

- [PHLPP and a second isoform, PHLPP2, differentially attenuate the amplitude of Akt signaling by regulating distinct Akt isoforms.](#)

Brognard J, Sierrecki E, Gao T, Newton AC.

Molecular Cell 2007 Mar; 25(6):917.

Application: IF, WB-Ce, Human, H157, HEK 293T, Hs578Bst cells

- [PHLPP: a phosphatase that directly dephosphorylates Akt, promotes apoptosis, and suppresses tumor growth.](#)

Gao T, Furnari F, Newton AC.

Molecular Cell 2005 Apr; 18(1):13.

Application: WB-Tr, Human, DLD-1, H157, HT-29, HEK 293T, LN319, LN444, MDA-MB-231 cells

Disease

- [Genetic Predisposition to Disease](#)
- [Narcolepsy](#)
- [Tobacco Use Disorder](#)