

[Go to Product page](#)

## Datasheet for ABIN2764065 **anti-PHLPP1 antibody**

### Overview

Quantity:	100 µg
Target:	PHLPP1
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PHLPP1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

### Product Details

Immunogen:	Synthetic peptide derived from the human PHLPP1 protein
Isotype:	Ig Fraction
Cross-Reactivity:	Human
Characteristics:	KIAA0606, PHLPP, PLEKHE1, SCOP, PHLPP1, PH domain leucine-rich repeat-containing protein phosphatase 1, Pleckstrin homology domain-containing family E member 1, Suprachiasmatic nucleus circadian oscillatory protein, PHLPP1 is a 1717 aa protein with phosphatase activity that mediates dephosphorylation of 'Ser-473' of AKT1, 'Ser-660' of PRKCB isoform beta-II and 'Ser-657' of PRKCA. AKT1 regulates the balance between cell survival and apoptosis through a cascade that primarily alters the function of transcription factors that regulate pro- and antiapoptotic genes. Dephosphorylation of 'Ser-473' of AKT1 triggers apoptosis and suppression of tumor growth. Controls the phosphorylation of AKT2 and AKT3 more efficiently than that of AKT1. Dephosphorylation of PRKCA and PRKCB leads to their destabilization and degradation. Inhibits cancer cell proliferation and may act as a tumor suppressor. May act as a

## Product Details

negative regulator of K-Ras signaling in membrane rafts.

Purification: Antigen Immunoaffinity Purification

## Target Details

Target: PHLPP1

Alternative Name: PH Domain-containing family E member 1 ([PHLPP1 Products](#))

UniProt: [O60346](#)

Pathways: [PI3K-Akt Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [Neurotrophin Signaling Pathway](#)

## Application Details

Application Notes: Optimal concentration should be evaluated by serial dilutions.

Restrictions: For Research Use only

## Handling

Buffer: Provided as solution in phosphate buffered saline with 0.08 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles