

Datasheet for ABIN2764064 anti-PHLPP2 antibody



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Overview

Quantity:	100 µg
Target:	PHLPP2
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PHLPP2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Synthetic peptide derived from the human PHLPP2 protein
Isotype:	Ig Fraction
Cross-Reactivity:	Human
Characteristics:	PHLPP2, PH domain leucine-rich repeat-containing protein phosphatase 2, PH domain leucine-rich repeat-containing protein phosphatase-like, PHLPP-like, PHLPP2 is a protein phosphatase 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 decreases cell proliferation. Also controls the phosphorylation of AKT3. Dephosphorylation of PRKCA and PRKCB leads to their destabilization and degradation. Inhibits cancer cell proliferation and may act as a tumor suppressor.

Product Details

Purification: Antigen Immunoaffinity Purification

Target Details

Target: PHLPP2

Alternative Name: PH domain leucine-rich repeat-containing protein phosphatase 2 ([PHLPP2 Products](#))

UniProt: [Q6ZVD8](#)

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

Application Details

Application Notes: This antibody can be used for immunohistochemistry on formalin/paraffin sections (10-15 µg/mL). 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