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Datasheet for ABIN6991747 **anti-PHLPP2 antibody (C-Term)**

Overview

Quantity:	0.1 mg
Target:	PHLPP2
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PHLPP2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	PHLPP2 antibody was raised against a 20 amino acid synthetic peptide near the carboxy terminus of human PHLPP2. The immunogen is located within the last 50 amino acids of PHLPP2.
Isotype:	IgG
Specificity:	At least three isoforms are known to exist, this antibody will detect the two largest isoforms. PHLPP2 antibody is predicted to not cross react with PHLPP1.
Purification:	PHLPP2 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	PHLPP2
Alternative Name:	PHLPP2 (PHLPP2 Products)

Target Details

Background:	PHLPP2 Antibody: PHLPP2 is a member of the serine/threonine phosphatase family, which are important regulators of Akt serine-threonine kinases (AKT1, AKT2, AKT3) and conventional/novel protein kinase C (PKC) isoforms. PHLPP1 and PHLPP2 have a similar domain structure and have been shown to dephosphorylate and inactivate, distinct Akt isoforms, at one of the two critical phosphorylation sites required for activation: Serine473. PHLPP2 dephosphorylates AKT1 and AKT3, whereas PHLPP1 is specific for AKT2 and AKT3. PHLPP1 promotes apoptosis and may act as a tumor suppressor. PHLPP2 associates with and is inhibited by adenylyl cyclase type 6 (AC6), thereby allowing Akt activation.
Molecular Weight:	156 kDa
Gene ID:	23035
NCBI Accession:	NP_055835
UniProt:	Q6ZVD8
Pathways:	PI3K-Akt Signaling , Fc-epsilon Receptor Signaling Pathway

Application Details

Application Notes:	PHLPP2 antibody can be used for detection of PHLPP2 by Western blot at 1 µg/mL. Antibody validated: Western Blot in human samples, Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PHLPP2 Antibody is supplied in PBS containing 0.02 % 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, 4 °C
Storage Comment:	PHLPP2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should

not be exposed to prolonged high temperatures.