

Rabbit anti-Human PHLPP1 Polyclonal Antibody | anti-PHLPP1 antibody

PHLPP1 Antibody

CATALOG # AAA40149	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot
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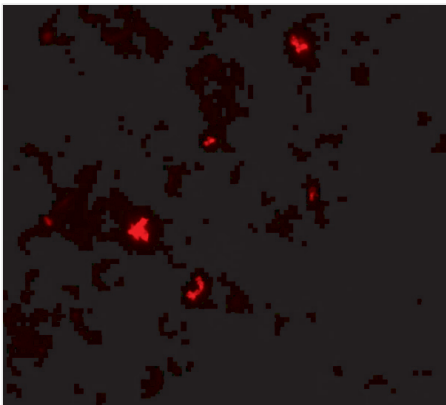
PRODUCT SYNONYMS

PHLPP1; Polyclonal Antibody; PHLPP1 Antibody; SCOP; PHLPP; PLEKHE1; KIAA0606; PH domain leucine-rich repeat-containing protein phosphatase 1; Pleckstrin homology domain-containing family E member 1; PH domain-containing family E member 1; PH domain and leucine rich repeat protein phosphatase 1; anti-PHLPP1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	At least four isoforms are known to exist; this antibody will only detect the largest isoform. PHLPP1 antibody is predicted to not cross react with PHLPP2.
Purity/Purification	PHLPP1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	1717
Applicable Applications for anti-PHLPP1 antibody	WB (Western Blot)
Conjugate	Unconjugated
Immunogen	PHLPP1 antibody was raised against an 18 amino acid synthetic peptide near the amino terminus of human PHLPP1. The immunogen is located within amino acids 250-300 of PHLPP1.
Buffer	PHLPP1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	PHLPP1 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.

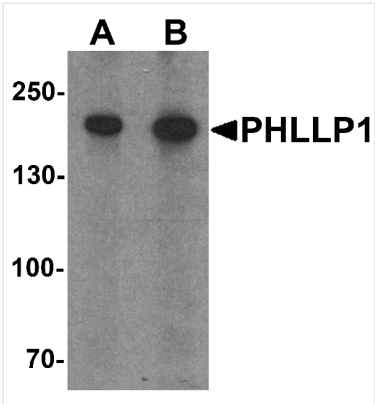
IMAGES



IF (Immunofluorescence)
Immunofluorescence of PHLPP1 in SW480 cells with PHLPP1 antibody at 5 μg/ml.



ICC (Immunocytochemistry)
Immunocytochemistry of PHLPP1 in SW480 cells with PHLPP1 antibody at 2.5 μg/ml.



WB (Western Blot)
Western blot analysis of PHLPP1 in SW480 cell lysate with PHLPP1 antibody at (A) 1 and (B) 2 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-PHLPP1 antibody

PHLPP1 Antibody: PHLPP1 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. Increased expression of PHLPP1 may also play a role in obesity and type 2 diabetes by interfering with Akt-mediated insulin signaling.

NCBI AND UNIPROT INFORMATION

NCBI GI #	291219891
NCBI GeneID	23239
NCBI Accession #	NP_919431
NCBI GenBank Nucleotide #	NM_194449.3
UniProt Accession #	O60346; Q641Q7; Q6P4C4; Q6PJI6; Q86TN6; Q96FK2; Q9NUY1; A1A4F5
Molecular Weight	189 kDa
NCBI Official Full Name	PH domain leucine-rich repeat-containing protein phosphatase 1
NCBI Official Synonym Full Names	PH domain and leucine rich repeat protein phosphatase 1

NCBI Official Symbol	PHLPP1
NCBI Official Synonym Symbols	SCOP; PHLPP; PLEKHE1
NCBI Protein Information	PH domain leucine-rich repeat-containing protein phosphatase 1; SCN circadian oscillatory protein; PH domain-containing family E member 1; suprachiasmatic nucleus circadian oscillatory protein; pleckstrin homology domain containing, family E (with leucine rich repeats) member 1
UniProt Protein Name	PH domain leucine-rich repeat-containing protein phosphatase 1
UniProt Gene Name	PHLPP1
UniProt Synonym Gene Names	KIAA0606; PHLPP; PLEKHE1; SCOP; PH domain-containing family E member 1; hSCOP
UniProt Entry Name	PHLP1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/phlpp1-antibody-western-blot-elisa/40149>