

Rabbit PHLPP1 Polyclonal Antibody | anti-PHLPP1 antibody

PHLPP1 Polyclonal Antibody

CATALOG #	HOST	APPLICATIONS
AAA280739	Rabbit	Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

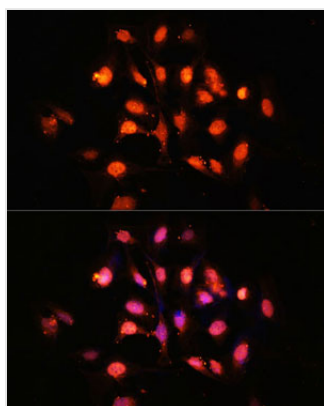
PRODUCT SYNONYMS

PHLPP1; Polyclonal Antibody; PHLPP1 Polyclonal Antibody; PHLPP; PLEKHE1; PPM3A; SCOP; PH domain and leucine rich repeat protein phosphatase 1; anti-PHLPP1 antibody

PRODUCT SPECIFICATIONS

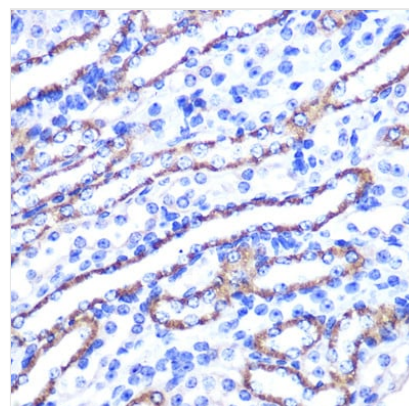
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.09% Sodium azide, 50% glycerol, pH 7.3.
Sequence Length	1717
Applicable Applications for anti-PHLPP1 antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1508-1717 of human PHLPP1 (NP_919431.2).
Species Reactivity / Cross Reactivity	Human, Mouse, Rat
Preparation and Storage	Store at -20°C. Avoid freeze / thaw cycles.

IMAGES



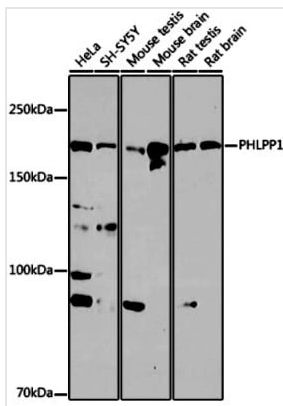
IF (Immunofluorescence)

Immunofluorescence analysis of U-2 OS cells using PHLPP1 Polyclonal Antibody (AAA280739) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



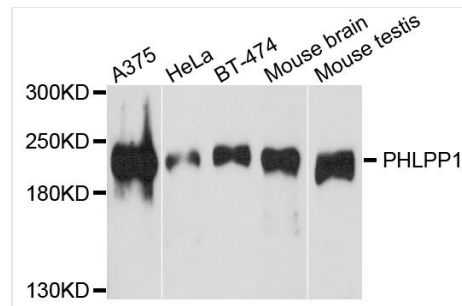
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse kidney using PHLPP1 Rabbit pAb (AAA280739) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using PHLPP1 antibody (AAA280739) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 30s.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using PHLPP1 antibody (AAA280739) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 10s.

ADDITIONAL INFORMATION

Related Product Information for anti-PHLPP1 antibody	This gene encodes a member of the serine/threonine phosphatase family. The encoded protein promotes apoptosis by dephosphorylating and inactivating the serine/threonine kinase Akt, and functions as a tumor suppressor in multiple types of cancer. Increased expression of this gene may also play a role in obesity and type 2 diabetes by interfering with Akt-mediated insulin signaling.
Product Categories/Family for anti-PHLPP1 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	291219891
NCBI GeneID	23239
NCBI Accession #	NP_919431.2
NCBI GenBank Nucleotide #	NM_194449.3
UniProt Accession #	O60346 ; Q641Q7 ; Q6P4C4 ; Q6PJ6I ; Q86TN6 ; Q96FK2 ; Q9NUY1 ; A1A4F5
Molecular Weight	Observed MW: 185kDa Calculated MW: 133kDa/184kDa
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; PPM3A; PLEKHE1
NCBI Protein Information	PH domain leucine-rich repeat-containing protein phosphatase 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.

