



# Rabbit Anti-Human PHLPP2 monoclonal antibody, clone TQ330 (CABT-L1818)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Specificity</b>	This antibody may react with (Predicted by homology) : Mouse
<b>Target</b>	PHLPP2
<b>Immunogen</b>	Synthetic peptide derived from human PHLPP2 protein.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Clone</b>	TQ330
<b>Purification</b>	Protein A/G purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC-P, WB
<b>Molecular Weight</b>	190 kDa
<b>Cellular Localization</b>	Cytoplasm, Membrane, Nucleus
<b>Positive Control</b>	Prostate, Prostate Adenocarcinoma
<b>Format</b>	Liquid
<b>Buffer</b>	PBS, 1% BSA, pH 7.6
<b>Preservative</b>	< 0.1% Sodium Azide

**Storage**

2-8°C. Do not freeze. The user must validate any other storage conditions. When properly stored, the reagent is stable to the date indicated on the label. Do not use the reagent beyond the expiration date.

---

## BACKGROUND

**Introduction**

PHLPP2 (PH domain and leucine-rich repeat protein phosphatases 2) is a membrane-bound protein with dual functions as a tumor suppressor and a protein phosphatase. It mediates dephosphorylation of 'Ser-473' of AKT1, 'Ser-660' of PRKCB isoform beta-II and 'Ser-657' of PRKCA as well as AKT3 phosphorylation. Dephosphorylation of AKT1, PRKCA and PRKCB leads to their destabilization and degradation and inhibits cancer cell proliferation.

---

**Keywords**

PHLPP2;PH domain and leucine rich repeat protein phosphatase 2;PH domain and leucine rich repeat protein phosphatase like, PHLPP1;PH domain leucine-rich repeat-containing protein phosphatase 2;KIAA0931;PHLPP1

---

## GENE INFORMATION

**Entrez Gene ID**

[23035](#)

---

**UniProt ID**

[Q6ZVD8](#)

---