

Datasheet for ABIN6700358

PHLPP2 Protein (GST tag)



[Go to Product page](#)

Overview

Quantity:	20 µg
Target:	PHLPP2
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PHLPP2 protein is labelled with GST tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	PHLPP2 recombinant protein-GST fusion protein
Purification:	Recombinant human PHLPP2 (766-1043) was expressed in E. coli cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >95% by densitometry.
Purity:	>95%

Target Details

Target:	PHLPP2
Alternative Name:	PHLPP2 (PHLPP2 Products)
Background:	Synonyms: KIAA0931, PHLPP1, PH domain leucine-rich repeat-containing protein phosphatase 2, PH domain leucine-rich repeat-containing protein phosphatase-like, PHLPP-like, PHLPP2 Background: PHLPP2 or PH domain and leucine rich repeat protein phosphatase 2 is the

Target Details

important regulators of Akt serine-threonine kinases and conventional/novel protein kinase C (PKC) isoforms. PHLPP1 and PHLPP2 differentially regulated AKT signaling by selectively dephosphorylating the hydrophobic motifs of AKT2 or AKT3. PHLPP may act as a tumor suppressor in several types of cancer due to its ability to block growth factor-induced signaling in cancer cells. PHLPP2 Protein is ideal for investigators involved in Signaling Proteins, Cellular Proteins, AKT/PKB Pathway, Cancer, Phosphatases, and PKA/PKC Pathway research.

NCBI Accession: [NM_015020](#)

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

Application Details

Application Notes: Western_Blot_Dilution: User Optimized
Other: Phosphatase Assay-User Optimized
Application_Note: PHLPP2 Protein is suitable for use in Western Blot and Phosphatase Assay. Expect a band approximately ~56 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.1 µg/µL

Buffer: PHLPP2 Protein is stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25 % glycerol.

Storage: -80 °C

Storage Comment: Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

Expiry Date: 12 months