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Datasheet for ABIN2728848

PHLPP1 Protein (Myc-DYKDDDDK Tag)

1 Image

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Overview

Quantity:	20 µg
Target:	PHLPP1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PHLPP1 protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)

Product Details

Characteristics:	<ul style="list-style-type: none">• Recombinant human PHLPP1 protein expressed in HEK293 cells.• Produced with end-sequenced ORF clone
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining

Target Details

Target:	PHLPP1
Alternative Name:	Phlpp1 (PHLPP1 Products)
Background:	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.

Target Details

Molecular Weight:	184.5 kDa
NCBI Accession:	NP_919431
Pathways:	PI3K-Akt Signaling , Fc-epsilon Receptor Signaling Pathway , Neurotrophin Signaling Pathway

Application Details

Application Notes:	Recombinant human proteins can be used for: Native antigens for optimized antibody production Positive controls in ELISA and other antibody assays
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Comment:	The tag is located at the C-terminal.
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Restrictions:	For Research Use only
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Handling

Concentration:	50 µg/mL
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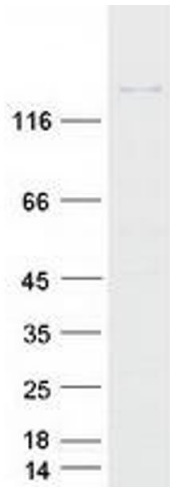
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
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Storage:	-80 °C
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Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.
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Publications

Product cited in:	<p>Teng, Sun, An, Hu, Liu, Ma, Han, Shi: "Role of PHLPP1 in inflammation response: Its loss contributes to gliomas development and progression." in: International immunopharmacology, Vol. 34, pp. 229-34, (2016) (PubMed).</p> <p>Lin, Lin, Wu, Ballard, Lee, Gloor, Vigers, Morales, Friedman, Skelton, Brandhuber: "An ATP-site on-off switch that restricts phosphatase accessibility of Akt." in: Science signaling, Vol. 5, Issue 223, pp. ra37, (2012) (PubMed).</p>
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Western Blotting

Image 1. Validation with Western Blot