Datasheet for ABIN2728968

PIK3 gamma Protein (Myc-DYKDDDDK Tag)

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Overview

Quantity:	20 µg
Target:	PIK3 gamma (PIK3CG)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PIK3 gamma protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)

Product Details

Characteristics:	• Recombinant human PIK3CG 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:	PIK3 gamma (PIK3CG)
Alternative Name:	Pik3cg (PIK3CG Products)
Background:	Phosphoinositide 3-kinases (PI3Ks) phosphorylate inositol lipids and are involved in the immune response. The protein encoded by this gene is a class I catalytic subunit of PI3K. Like other class I catalytic subunits (p110-alpha p110-beta, and p110-delta), the encoded protein binds a p85 regulatory subunit to form PI3K. This gene is located in a commonly deleted segment of chromosome 7 previously identified in myeloid leukemias. Several transcript

Target Details

	variants encoding the same protein have been found for this gene.
Molecular Weight:	126.3 kDa
NCBI Accession:	NP_002640
Pathways:	PI3K-Akt Signaling, RTK Signaling, AMPK Signaling, TLR Signaling, Inositol Metabolic Process, Hepatitis C, VEGF Signaling

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
Comment:	The tag is located at the C-terminal.
Restrictions:	For Research Use only

Handling

Concentration:	50 µg/mL
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Storage:	-80 °C
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.

Publications

Product cited in:	Hashimoto, Tanaka, Takeda, Ito, Nagano et al.: "Cilostazol Induces PGI2 Production via Activation of the Downstream Epac-1/Rap1 Signaling Cascade to Increase Intracellular Calcium by PLC? and to Activate p44/42 MAPK in Human Aortic Endothelial ..." in: **PLoS ONE**, Vol. 10, Issue 7, pp. e0132835, (2015) (PubMed).

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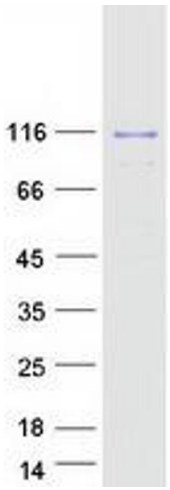

Western Blotting

Image 1. Validation with Western Blot