

Datasheet for ABIN544995

anti-PIK3 gamma antibody (C-Term)

3 Images

3 Publications

[Go to Product page](#)

Overview

Quantity:	400 µL
Target:	PIK3 gamma (PIK3CG)
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PIK3 gamma antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit polyclonal antibody raised against synthetic peptide of PIK3CG.
Immunogen:	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human PIK3CG.
Cross-Reactivity:	Human

Target Details

Target:	PIK3 gamma (PIK3CG)
Alternative Name:	PIK3CG (PIK3CG Products)
Gene ID:	5294
Pathways:	PI3K-Akt Signaling , RTK Signaling , AMPK Signaling , TLR Signaling , Inositol Metabolic Process , Hepatitis C , VEGF Signaling

Application Details

Application Notes:	ELISA (1:1000) Western Blot (1:50-100) Immunohistochemistry (1:10-50) The optimal working dilution should be determined by the end user.
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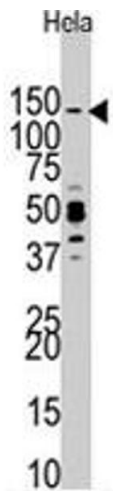
Restrictions:	For Research Use only
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Handling

Format:	Liquid
Buffer:	In PBS (0.09 % sodium azide)
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

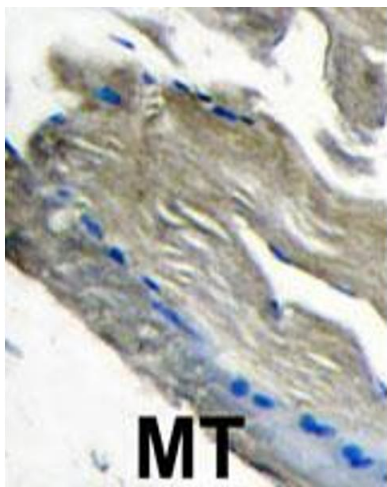
Publications

Product cited in:	Andreozzi, DAlessandris, Federici, Laratta, Del Guerra, Del Prato, Marchetti, Lauro, Perticone, Sesti et al.: "Activation of the hexosamine pathway leads to phosphorylation of insulin receptor substrate-1 on Ser307 and Ser612 and impairs the phosphatidylinositol 3-kinase/Akt/mammalian target of rapamycin ..." in: Endocrinology , Vol. 145, Issue 6, pp. 2845-57, (2004) (PubMed).
	Reddy, Lin, Huang, Samanta, Liao: "The IL-1 receptor accessory protein is essential for PI 3-kinase recruitment and activation." in: Biochemical and biophysical research communications , Vol. 316, Issue 4, pp. 1022-8, (2004) (PubMed).
	Osaki, Kase, Adachi, Takeda, Hashimoto, Ito: "Inhibition of the PI3K-Akt signaling pathway enhances the sensitivity of Fas-mediated apoptosis in human gastric carcinoma cell line, MKN-45." in: Journal of cancer research and clinical oncology , Vol. 130, Issue 1, pp. 8-14, (2003) (PubMed).



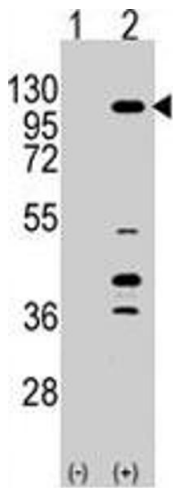
Western Blotting

Image 1. Western blot analysis of PIK3CG polyclonal antibody in HeLa cell lysate (35 ug/lane). PIK3CG (arrow) was detected using the purified polyclonal antibody (1 : 60 dilution).



Immunohistochemistry

Image 2. Formalin-fixed and paraffin-embedded human muscle tissue reacted with PIK3CG polyclonal antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Western Blotting

Image 3. Western blot analysis of PIK3CG polyclonal antibody in 293 cell lysate transiently transfected with the PIK3CG gene (2 ug/lane). PIK3CG (arrow) was detected using the purified polyclonal antibody (1 : 60 dilution).