

Datasheet for ABIN544171
anti-PIK3CB antibody (C-Term)[Go to Product page](#)[2 Images](#)[3 Publications](#)

Overview

Quantity:	400 µL
Target:	PIK3CB
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PIK3CB antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit polyclonal antibody raised against synthetic peptide of PIK3CB.
Immunogen:	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human PIK3CB.
Cross-Reactivity:	Human

Target Details

Target:	PIK3CB
Alternative Name:	PIK3CB / PIK3C1 (PIK3CB Products)
Gene ID:	5291

Application Details

Application Notes: Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:10-50)
Western Blot (1:1000)
The optimal working dilution should be determined by the end user.

Restrictions: For Research Use only

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

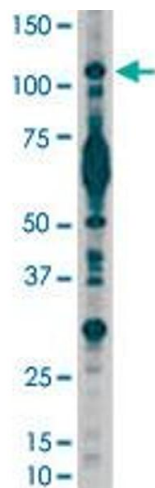
Storage Comment: Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Publications

Product cited in: Brock, Schaefer, Reusch, Czupalla, Michalke, Spicher, Schultz, Nürnberg: "Roles of G beta gamma in membrane recruitment and activation of p110 gamma/p101 phosphoinositide 3-kinase gamma." in: **The Journal of cell biology**, Vol. 160, Issue 1, pp. 89-99, (2003) ([PubMed](#)).

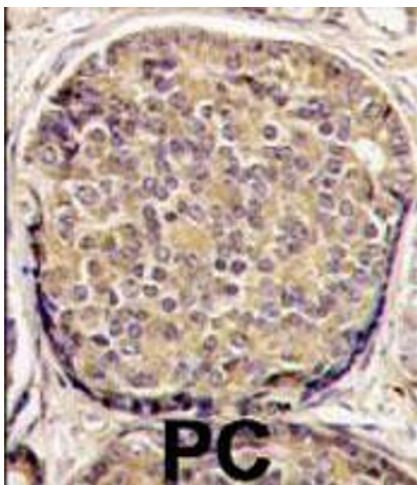
Kossila, Pihlajamäki, Kärkkäinen, Miettinen, Kekäläinen, Vauhkonen, Ylä-Herttuala, Laakso et al.: "Promoter polymorphisms -359T/C and -303A/G of the catalytic subunit p110beta gene of human phosphatidylinositol 3-kinase are not associated with insulin secretion or insulin sensitivity in finnish ..." in: **Diabetes Care**, Vol. 26, Issue 1, pp. 179-82, (2002) ([PubMed](#)).

Yart, Roche, Wetzker, Laffargue, Tonks, Mayeux, Chap, Raynal: "A function for phosphoinositide 3-kinase beta lipid products in coupling beta gamma to Ras activation in response to lysophosphatidic acid." in: **The Journal of biological chemistry**, Vol. 277, Issue 24, pp. 21167-78, (2002) ([PubMed](#)).



Western Blotting

Image 1. Western blot analysis of PIK3CB polyclonal antibody in Jurkat cell lysate. PIK3CB (arrow) was detected using purified polyclonal antibody. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.



Immunohistochemistry

Image 2. Formalin-fixed and paraffin-embedded human prostate carcinoma tissue reacted with PIK3CB 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.