

Datasheet for ABIN392576

anti-PIK3R3 antibody (C-Term)**3** Images**4** Publications[Go to Product page](#)

Overview

Quantity:	400 µL
Target:	PIK3R3
Binding Specificity:	AA 316-346, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PIK3R3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This PIK3R3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 316-346 amino acids from the C-terminal region of human PIK3R3.
Clone:	RB1719
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	PIK3R3
Alternative Name:	PIK3R3 (PIK3R3 Products)

Target Details

Background: PIK3R3 binds to activated (phosphorylated) protein-tyrosine kinases through its SH2 domain and regulates their kinase activity. During insulin stimulation, it also binds to IRS-1. It is a component of a heterodimer of p110 (catalytic) and p55 (regulatory) subunits. The protein is expressed at highest levels in brain and testis. Lower levels are detected in adipose tissue, kidney, heart, lung and skeletal muscle. The protein contains 2 SH2 domains.

Molecular Weight: 54448

Gene ID: 8503

NCBI Accession: [NP_001107644](#), [NP_003620](#)

UniProt: [Q92569](#)

Application Details

Application Notes: IF: 1:100. WB: 1:1000. IHC-P: 1:10~50

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months

Publications

Product cited in: Yang, Cheng, Zhou, Zhu, Hu, Yang: "Overexpression of X-Box Binding Protein 1 (XBP1) Correlates to Poor Prognosis and Up-Regulation of PI3K/mTOR in Human Osteosarcoma." in: **International journal of molecular sciences**, Vol. 16, Issue 12, pp. 28635-46, (2016) ([PubMed](#)).

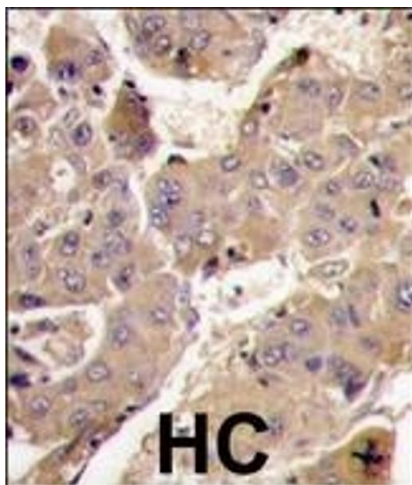
Wang, Yang, Jin, Deng, Luo, Hu, Wang: "TGF-? regulates the proliferation of lung

adenocarcinoma cells by inhibiting PIK3R3 expression." in: **Molecular carcinogenesis**, (2014) ([PubMed](#)).

Eiring, Neviani, Santhanam, Oaks, Chang, Notari, Willis, Gambacorti-Passerini, Volinia, Marcucci, Caligiuri, Leone, Perrotti: "Identification of novel posttranscriptional targets of the BCR/ABL oncoprotein by ribonomics: requirement of E2F3 for BCR/ABL leukemogenesis." in: **Blood**, Vol. 111, Issue 2, pp. 816-28, (2008) ([PubMed](#)).

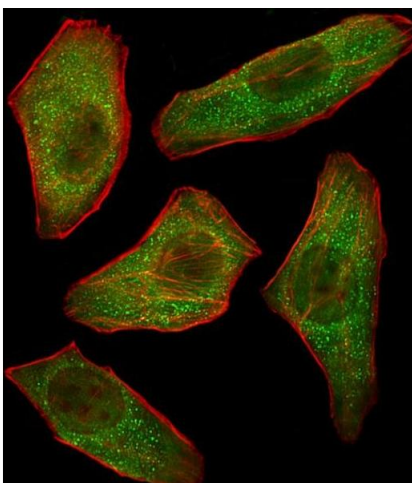
Zhang, Huang, Yang, Greshock, Liang, Hasegawa, Giannakakis, Poulos, OBrien-Jenkins, Katsaros, Butzow, Weber, Coukos: "Integrative genomic analysis of phosphatidylinositol 3'-kinase family identifies PIK3R3 as a potential therapeutic target in epithelial ovarian cancer." in: **Clinical cancer research : an official journal of the American Association for Cancer Research**, Vol. 13, Issue 18 Pt 1, pp. 5314-21, (2007) ([PubMed](#)).

Images



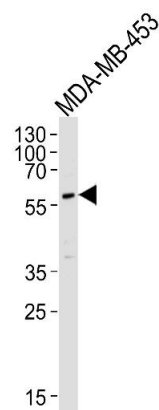
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with PIK3R3 antibody (C-term), 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.



Immunofluorescence

Image 2. Fluorescent image of cells stained with PIK3R3 Antibody (C-term) A. A was diluted at 1:100 dilution. An Alexa Fluor 488-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor® 555 conjugated with Phalloidin (red).



Western Blotting

Image 3. Western blot analysis of lysate from MDA-MB-453 cell line, using PI3KR3 Antibody (ABIN1452207 and ABIN1452209) (ABIN392576 and ABIN2842112). R was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP at 1:5000 dilution was used as the secondary antibody. Lysate at 35 µg per lane.