

## PIK3CG Monoclonal Antibody

### Description

<b>Product type</b>	Antibody
<b>Code</b>	BT-MCA2442
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG1
<b>Size</b>	100 $\mu$ L, 50 $\mu$ L
<b>Immunogen</b>	Purified recombinant fragment of human PIK3CG (AA: 1-100) expressed in E. Coli.
<b>Mol wt</b>	126.5kDa
<b>Species reactivity</b>	Human
<b>Clonality</b>	Monoclonal
<b>Recommended application</b>	Others
<b>Concentration</b>	N/A
<b>Full name</b>	N/A
<b>Synonyms</b>	PI3K;PIK3;PI3CG;PI3Kgamma;p110gamma;p120-PI3K

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

This gene encodes a protein that belongs to the pi3/pi4-kinase family of proteins. The gene product is an enzyme that phosphorylates phosphoinositides on the 3-hydroxyl group of the inositol ring. It is an important modulator of extracellular signals, including those elicited by E-cadherin-mediated cell-cell adhesion, which plays an important role in maintenance of the structural and functional integrity of epithelia. In addition to its role in promoting assembly of adherens junctions, the protein is thought to play a pivotal role in the regulation of cytotoxicity in NK cells. The gene is located in a commonly deleted segment of chromosome 7 previously identified in myeloid leukemias. Several transcript variants encoding the same protein have been found for this gene.

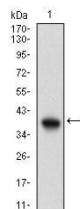
### Recommended Dilution

WB: 1:500 - 1:2000

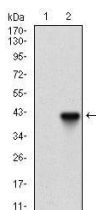
ELISA: 1:10000

Not yet tested in other applications.

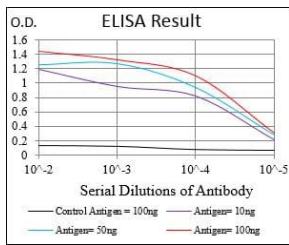
### Images



Western blot analysis using PIK3CG mAb against human PIK3CG (AA: 1-100) recombinant protein.  
(Expected MW is 37.5 kDa)



Western blot analysis using PIK3CG mAb against HEK293 (1) and PIK3CG (AA: 1-100)-hlgGFc transfected HEK293 (2) cell lysate.



Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);

### Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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