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# anti-PIK3 gamma antibody (AA 1-100)





Overview	
Quantity:	100 μg
Target:	PIK3 gamma (PIK3CG)
Binding Specificity:	AA 1-100
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PIK3 gamma antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Proximity Ligation Assay (PLA)
Product Details	
Purpose:	Mouse monoclonal antibody raised against a partial recombinant PIK3CG.

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Purpose:	Mouse monoclonal antibody raised against a partial recombinant PIK3CG.
Immunogen:	PIK3CG (AAH35683, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	MELENYKQPV VLREDNCRRR RRMKPRSAAA SLSSMELIPI EFVLPTSQRK CKSPETALLH VAGHGNVEQM KAQVWLRALE TSVAADFYHR LGPHHFLLLY
Clone:	2G3
Isotype:	lgG2a
Cross-Reactivity:	Human
Characteristics:	Antibody Reactive Against Recombinant Protein.

# **Target Details**

Target:	PIK3 gamma (PIK3CG)
Alternative Name:	PIK3CG (PIK3CG Products)
Background:	Full Gene Name: phosphoinositide-3-kinase, catalytic, gamma polypeptide Synonyms: PI3CG,PI3K,PI3Kgamma,PIK3
Gene ID:	5294
Pathways:	PI3K-Akt Signaling, RTK Signaling, AMPK Signaling, TLR Signaling, Inositol Metabolic Process, Hepatitis C, VEGF Signaling

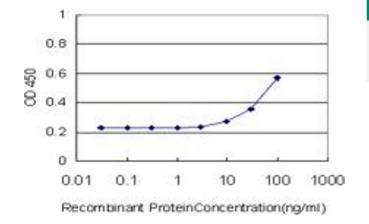
# **Application Details**

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

# Handling

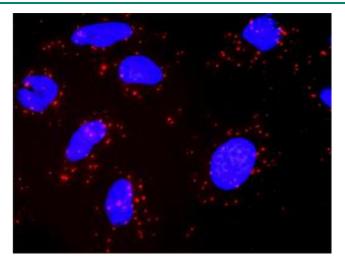
Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

### **Images**



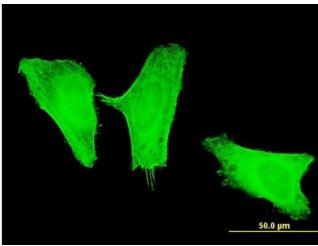
#### **ELISA**

**Image 1.** Detection limit for recombinant GST tagged PIK3CG is approximately 10ng/ml as a capture antibody.



## **Proximity Ligation Assay**

**Image 2.** Proximity Ligation Analysis of protein-protein interactions between KIT and PIK3CG. HeLa cells were stained with anti-KIT rabbit purified polyclonal 1:1200 and anti-PIK3CG mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



#### **Immunofluorescence**

**Image 3.** Immunofluorescence of monoclonal antibody to PIK3CG on HeLa cell. [antibody concentration 10 ug/ml]

Please check the product details page for more images. Overall 4 images are available for ABIN518901.