

## Summary

<b>Production Name</b>	PIK3R1 Mouse Monoclonal Antibody
<b>Description</b>	Mouse Monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	IHC,ICC,FC,ELISA
<b>Reactivity</b>	Human,Mouse

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide
<b>Purification</b>	Affinity Purification

## Immunogen

<b>Gene Name</b>	PIK3R1
<b>Alternative Names</b>	p85; GRB1; p85-ALPHA
<b>Gene ID</b>	5295.0
<b>SwissProt ID</b>	P27986.Purified recombinant fragment of human PIK3R1 (AA: 159-388) expressed in E. Coli.

## Application

<b>Dilution Ratio</b>	IHC:1:200-1:1000,ICC:1:100,FC:1:200-1:400,ELISA:1:10000
<b>Molecular Weight</b>	83.6kDa

## Background

**Product Name: PIK3R1 Mouse Monoclonal Antibody**  
**Catalog #: AMM81167**

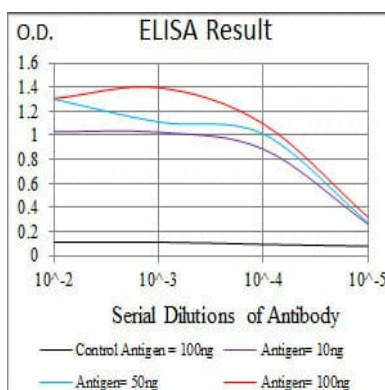


Phosphatidylinositol 3-kinase phosphorylates the inositol ring of phosphatidylinositol at the 3-prime position. The enzyme comprises a 110 kD catalytic subunit and a regulatory subunit of either 85, 55, or 50 kD. This gene encodes the 85 kD regulatory subunit. Phosphatidylinositol 3-kinase plays an important role in the metabolic actions of insulin, and a mutation in this gene has been associated with insulin resistance. Alternative splicing of this gene results in four transcript variants encoding different isoforms.

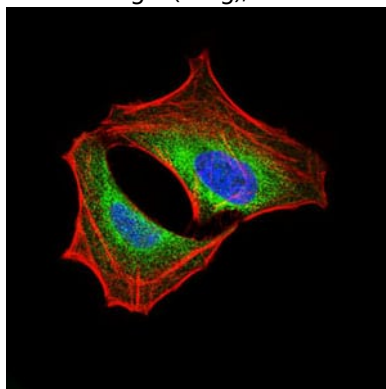
## Research Area

TGF-beta signaling pathway, PI3K-Akt signaling pathway, Jak-STAT signaling pathway

## Image Data

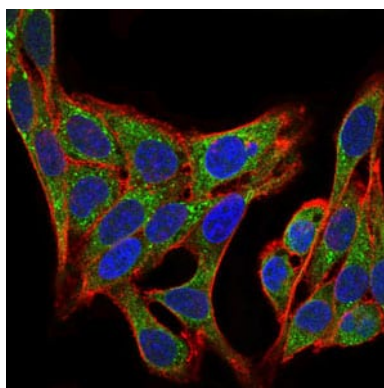


Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);

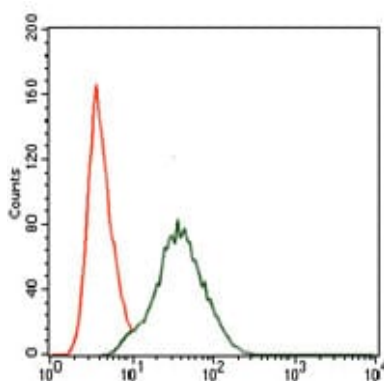


Immunofluorescence analysis of HeLa cells using PIK3R1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

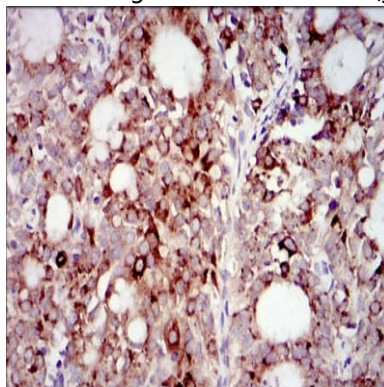
**Product Name: PIK3R1 Mouse Monoclonal Antibody**  
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Immunofluorescence analysis of HepG2 cells using PIK3R1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



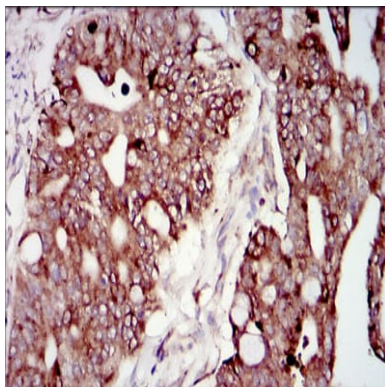
Flow cytometric analysis of NIH3T3 cells using PIK3R1 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissues using PIK3R1 mouse mAb with DAB staining.

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Immunohistochemical analysis of paraffin-embedded human rectum cancer tissues using PIK3R1 mouse mAb with DAB staining.

**Note**

For research use only.