

## PIK3R1 monoclonal antibody

Catalog: MB21651

Host: Mouse

Reactivity: Human, Mouse

### BackGround:

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.

### Product:

Purified antibody in PBS with 0.05% sodium azide

### Molecular Weight:

83.6kDa

### Swiss-Prot:

P27986

### Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

IHC:1/200 - 1/1000 IF:1/100 FC:1/200 - 1/400

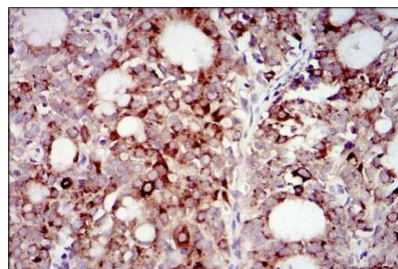
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Isotype:

Mouse IgG1

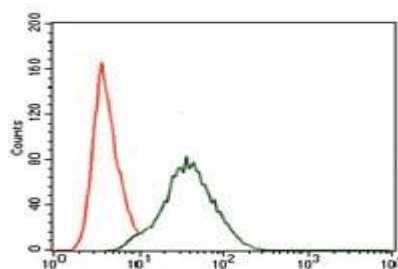
### DATA:



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



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.



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

### Note:

For research use only, not for use in diagnostic procedure.

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