

## PI3-Kinase p110 $\alpha$ Rabbit mAb (AR1368)

### Key Features

|               |  |
|---------------|--|
| Host Species: | Rabbit                                 |
| Reactivity:   | Human,Mouse,Rat                        |
| Applications: | WB,IF,IP,ELISA                         |
| Isotype:      | IgG,Kappa                              |
| MW:           | 124kD (Calculated)<br>110kD (Observed) |

### Recommended Dilution Ratios

|        |              |
|--------|--------------|
| WB:    | 1:2000-10000 |
| IF:    | 1:200-1000   |
| ELISA: | 1:5000-20000 |
| IP:    | 1:50-200     |

### Storage

-15°C to -25°C/1 year (Do not lower than -25°C)

### Basic Information

|           |            |
|-----------|------------|
| Clonality | Monoclonal |
|-----------|------------|

### Immunogen Information

|             |            |
|-------------|------------|
| Specificity | Endogenous |
|-------------|------------|

### Target Information

|              |   |
|--------------|---|
| Gene name    | PIK3CA<br>5-bisphosphate 3-kinase 110 kDa catalytic subunit alpha;5-bisphosphate 3-kinase catalytic subunit alpha isoform; caPI3K; CLOVE; CWS5; MCAP; MCM; MCMTC; MGC142161; MGC142163; p110 alpha; p110alpha; Phosphatidylinositol 3 kinase catalytic alpha polypeptide; Phosphatidylinositol 3 kinase catalytic 110 KD alpha; Phosphatidylinositol 4 5 bisphosphate 3 kinase catalytic subunit alpha; Phosphatidylinositol 4 5 bisphosphate 3 kinase catalytic subunit alpha isoform; Phosphatidylinositol 4,5 bisphosphate 3 kinase 110 kDa catalytic subunit alpha;Phosphatidylinositol-4;Phosphoinositide 3 kinase catalytic alpha polypeptide; PI 3 Kinase catalytic subunit alpha;PI3 kinase p110 subunit alpha;PI3-kinase subunit alpha;PI3K;PI3K-alpha;PI3KC A;PIK3C A; Pik3ca; PK3CA; PK3CA_HUMAN; PtdIns 3 kinase p110;PtdIns-3-kinase subunit |
| Protein Name |   |

alpha; PtdIns-3-kinase subunit p110- alpha; Serine/threonine protein kinase PIK3CA

| Organism | Gene ID | UniProt ID |
|----------|---------|------------|
| Human    | 5290    | P42336     |
| Mouse    |         | P42337     |

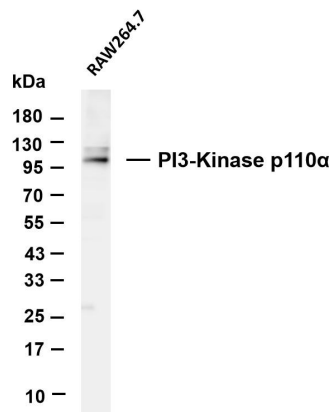
Cellular Localization

Cytoplasmic

Tissue specificity

Gastric adenocarcinoma with PIK3CA H1047R protein expression

## Validation Data

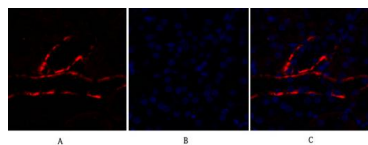


Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-PI3-Kinase p110α antibody. The HRP conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody.

Lane 1: RAW264.7

Predicted band size: 124kDa

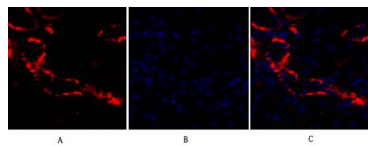
Observed band size: 110kDa



Immunofluorescence analysis of rat-kidney tissue.

1. PI 3-kinase p110α Monoclonal Antibody(red) was diluted at 1:200 (4°C, overnight).
2. Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).
3. DAPI (blue) 10min.

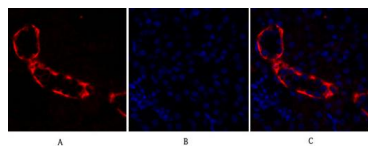
Picture A: Target. Picture B: DAPI. Picture C: merge of A+B



Immunofluorescence analysis of rat-kidney tissue.

1. PI 3-kinase p110α Monoclonal Antibody(red) was diluted at 1:200 (4°C, overnight).
2. Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).
3. DAPI (blue) 10min.

Picture A: Target. Picture B: DAPI. Picture C: merge of A+B



Immunofluorescence analysis of mouse-kidney tissue.

1. PI 3-kinase p110α Monoclonal Antibody(red) was diluted at 1:200 (4°C, overnight).
2. Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).
3. DAPI (blue) 10min.

Picture A: Target. Picture B: DAPI. Picture C: merge of A+B