**Product Datasheet**

# PIK3CA antibody

Catalog No: #38118

Package Size: #38118-1 50ul #38118-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

## Description

| | |
|---|---|
| Product Name | PIK3CA antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Purification | Antibodies were purified by affinity purification using immunogen. |
| Applications | WB,IHC,IF |
| Species Reactivity | Human,Mouse,Rat |
| Specificity | The antibody detects endogenous level of total PIK3CA protein. |
| Immunogen Type | Recombinant Protein |
| Immunogen Description | Recombinant protein of human PIK3CA. |
| Target Name | PIK3CA |
| Other Names | PIK3CA;MGC142161;MGC142163;PI3K;p110-alpha; |
| Accession No. | Swiss-Prot#: P42336NCBI Gene ID: 5290 |
| Uniprot | P42336 |
| GeneID | 5290; |
| Calculated MW | 110kDa |
| Concentration | 1.0mg/ml |
| Formulation | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Storage | Store at -20°C |

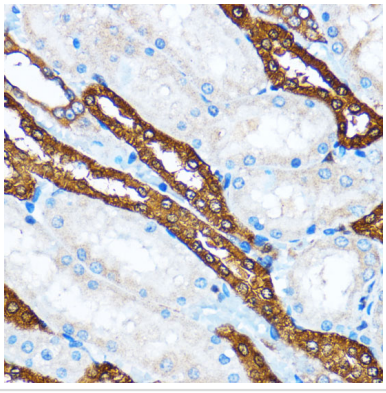
## Application Details

WB□1:500 - 1:2000

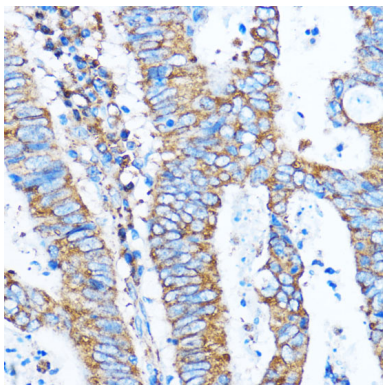
IHC□1:50 - 1:100

IF□1:50 - 1:100

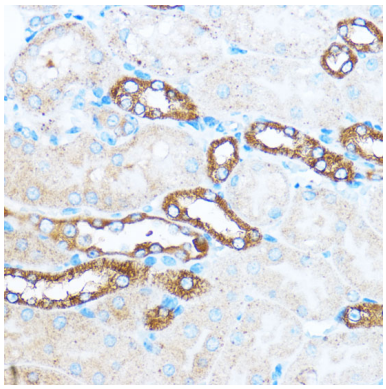
## Images



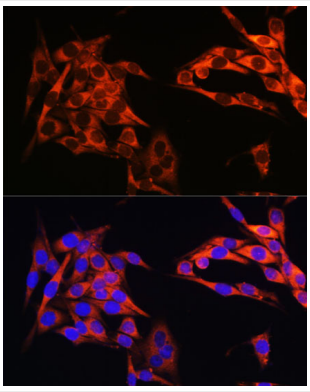
Immunohistochemistry of paraffin-embedded rat kidney using PIK3CA at dilution of 1:100 (40x lens).



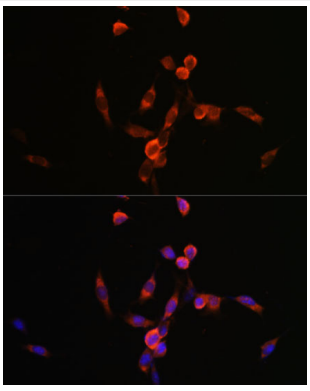
Immunohistochemistry of paraffin-embedded human colon carcinoma using PIK3CA  at dilution of 1:100 (40x lens).



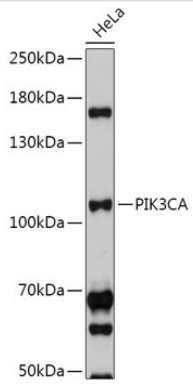
Immunohistochemistry of paraffin-embedded mouse kidney using PIK3CA  at dilution of 1:100 (40x lens).



Immunofluorescence analysis of HeLa cells using PIK3CA  at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using PIK3CA at dilution of 1:100. Blue: DAPI for nuclear staining.




Western blot analysis of extracts of HeLa cells, using PIK3CA at 1:500 dilution.

## Background

PIK3CA belongs to the PI3/PI4-kinase family. It phosphorylates PtdIns, PtdIns4P and PtdIns(4,5)P2 with a preference for PtdIns(4,5)P2. Defects in PIK3CA are associated with colorectal cancer (CRC). Defects in PIK3CA are associated with breast cancer. Defects in PIK3CA are associated with ovarian cancer. Defects in PIK3CA may underlie hepatocellular carcinoma (HCC). Defects in PIK3CA are a cause of keratosis seborrheic (KERSEB). The antibody is specific to PIK3CA.

Note: This product is for in vitro research use only