

PIK3CA Rabbit pAb

Catalog No.: A0265 **13 Publications**

Basic Information

Catalog No.

A0265

Observed MW

110kDa

Calculated MW

124kDa

Category

Primary antibody

Applications

WB, IHC, IF

Cross-Reactivity

Human, Mouse, Rat

Recommended Dilutions

WB	1:500 - 1:2000
IHC	1:50 - 1:100
IF	1:50 - 1:100

Contact

 | www.abclonal.com

Background

Phosphatidylinositol 3-kinase is composed of an 85 kDa regulatory subunit and a 110 kDa catalytic subunit. The protein encoded by this gene represents the catalytic subunit, which uses ATP to phosphorylate PtdIns, PtdIns4P and PtdIns(4,5)P2. This gene has been found to be oncogenic and has been implicated in cervical cancers. A pseudogene of this gene has been defined on chromosome 22.

Immunogen Information

Gene ID	Swiss Prot
5290	P42336

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 401-600 of human PIK3CA (NP_006209.2).

Synonyms

PIK3CA;CLOVE;CWS5;MCAP;MCM;MCMTC;PI3K;PI3K-alpha

Product Information

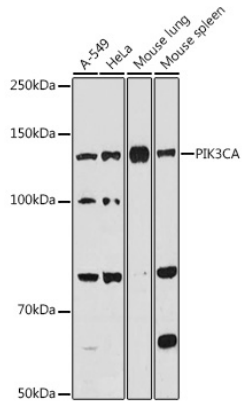
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using PIK3CA antibody (A0265) at 1:1000 dilution.

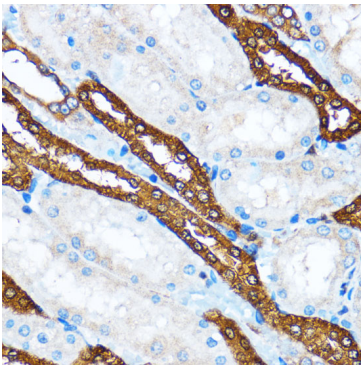
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

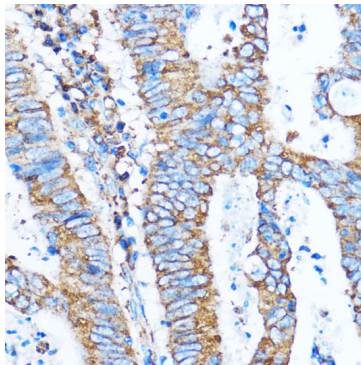
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

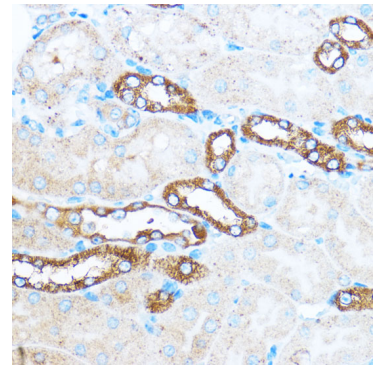
Exposure time: 180s.



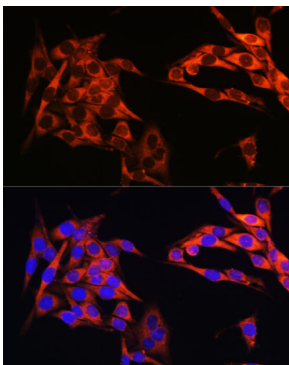
Immunohistochemistry of paraffin-embedded rat kidney using PIK3CA antibody (A0265) at dilution of 1:100 (40x lens).



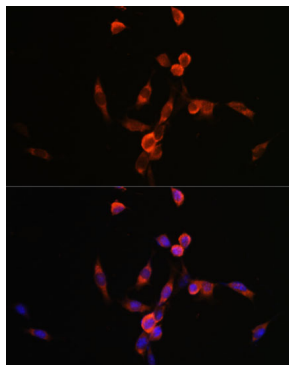
Immunohistochemistry of paraffin-embedded human colon carcinoma using PIK3CA antibody (A0265) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse kidney using PIK3CA antibody (A0265) at dilution of 1:100 (40x lens).



Immunofluorescence analysis of HeLa cells using PIK3CA antibody (A0265) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using PIK3CA antibody (A0265) at dilution of 1:100. Blue: DAPI for nuclear staining.