Anti-PI3 kinase p100 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R015486

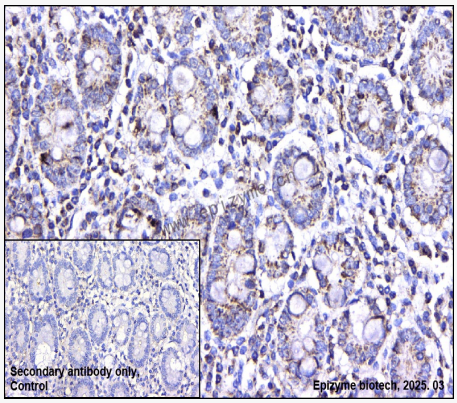
Product Information

Application	WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	60G93Y59
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human PI 3 Kinase Class 3
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-PI3 kinase p100 Rabbit mAb [60G93Y59] is for research use only and not for use in diagnostic or therapeutic procedures.

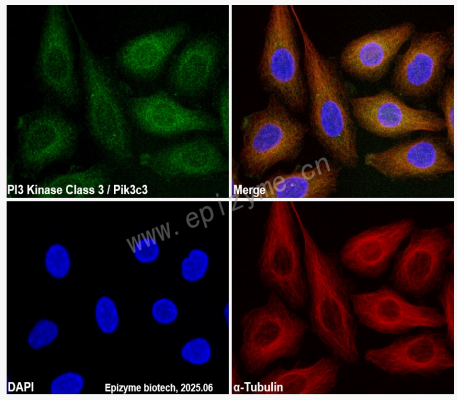
Protein Information

Synonyms	hVps34; MGC61518; Phosphatidylinositol 3 kinase catalytic subunit type 3; Phosphatidylinositol 3 kinase class 3; Phosphatidylinositol 3 kinase p100 subunit; Phosphatidylinositol 3-kinase catalytic subunit type 3; Phosphatidylinositol 3-kinase p100 subunit; Phosphoinositide 3 kinase class 3; Phosphoinositide-3-kinase class 3; PI3 kinase type 3; PI3-kinase type 3; PI3K type 3; Pik3c3; PK3C3_HUMAN; PtdIns 3 kinase type 3; PtdIns-3-kinase type 3; Vps 34; Vps34; PI3 kinase p100.
Calculated MW	Calculated MW: 102 kDa; Observed MW: 102 kDa
Uniprot ID	Q8NEB9
Gene ID	5289
Background	Catalytic subunit of the PI3K complex that mediates formation of phosphatidylinositol 3-phosphate; different complex forms are believed to play a role in multiple membrane trafficking pathways: PI3KC3-C1 is involved in initiation of autophagosomes and PI3KC3-C2 in maturation of autophagosomes and endocytosis
Cellular Location	Midbody.
Tissue Location	Ubiquitously expressed, with a highest expression in skeletal muscle.

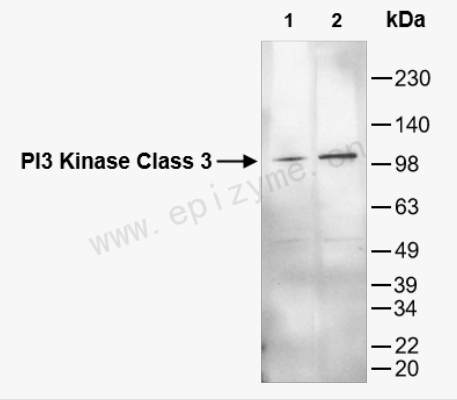
Validation Images



Immunohistochemistry - Anti-PI3 kinase p100 Rabbit mAb [60G93Y59]
Sample: Paraformaldehyde-fixed, paraffin embedded human lung cancer tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R015486 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunofluorescence - Anti-PI3 kinase p100 Rabbit mAb [60G93Y59]
Sample: HeLa cells
The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.
Primary antibodies: R015486 at 1:100 dilution and α-tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution
Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)
Nuclei were stained with DAPI (shown in blue).



Western Blot - Anti-PI3 kinase p100 Rabbit mAb [60G93Y59]
All lanes: R015486 at 1:1,000 dilution
Lane 1: SW620 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 2: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 102 kDa
Observed band size: 102 kDa
Developed using the ECL technique (Cat. No. SQ201).