# Anti-PI3-Kinase p85 beta Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R013807

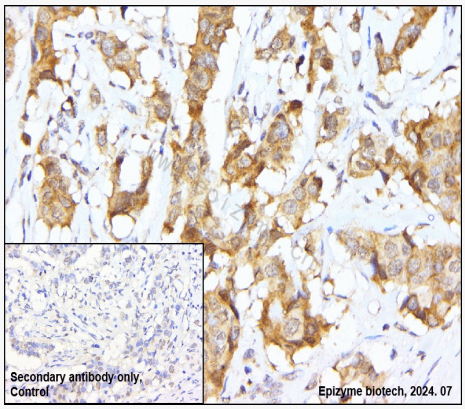
## Product Information

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|---|---|
| Application | ELISA, WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC |
| Reactivity | Mouse, Human, Rat |
| Dilution | WB 1:1,000~1:2,000; IHC-P 1:200; IF 1:100~1:200 |
| Host | Rabbit |
| Clonality | Monoclonal |
| Clone No. | 31C49E09 |
| Isotype | IgG |
| Label | Unconjugated |
| Immunogen | A synthesized peptide derived from human PI 3 Kinase p85 beta |
| 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℃. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20℃ storage. |
| Precautions | Anti-PI3-Kinase p85 beta Rabbit mAb [31C49E09] is for research use only and not for use in diagnostic or therapeutic procedures. |

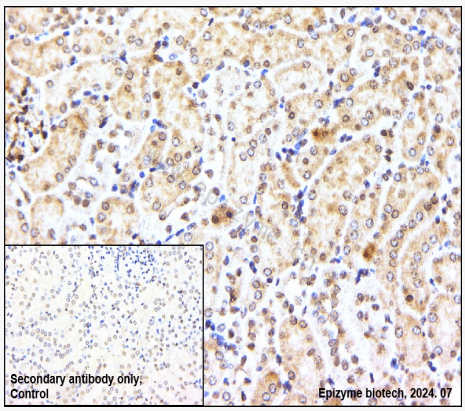
## Protein Information

| | |
|---|---|
| Synonyms | p85, MPPH, P85B, p85-BETA, P85B_HUMAN, Phosphatidylinositol 3-kinase regulatory subunit beta, PI3-kinase regulatory subunit beta, PI3K regulatory subunit beta, PtdIns-3-kinase regulatory subunit beta, Phosphatidylinositol 3-kinase 85 kDa regulatory subunit beta, PI3-kinase subunit p85-beta, PtdIns-3-kinase regulatory subunit p85-beta, PI 3-Kinase p85-β, Phosphoinositide 3 kinase regulatory subunit 2 (beta), PIK3R2. |
| Calculated MW | Calculated MW: 85 kDa; Observed MW: 85 kDa |
| Uniprot ID | O00459, Q63788 |
| Gene ID | 5296, 29741 |
| Background | Phosphatidylinositol 3-kinase (PI3K) is a lipid kinase that phosphorylates phosphatidylinositol and similar compounds, creating second messengers important in growth signaling pathways. PI3K functions as a heterodimer of a regulatory and a catalytic subunit. The protein encoded by this gene is a regulatory component of PI3K. Two transcript variants, one protein coding and the other non-protein coding, have been found for this gene. [provided by RefSeq, Dec 2012] |

## Validation Images



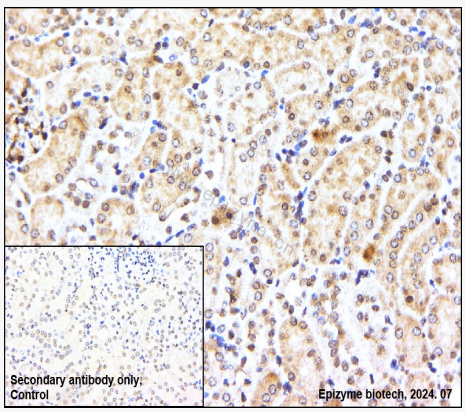

Immunohistochemistry - Anti-PI3-Kinase p85 beta Rabbit mAb [31C49E09]
Sample: Paraformaldehyde-fixed, paraffin embedded human breast carcinoma tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R013807 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit 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.



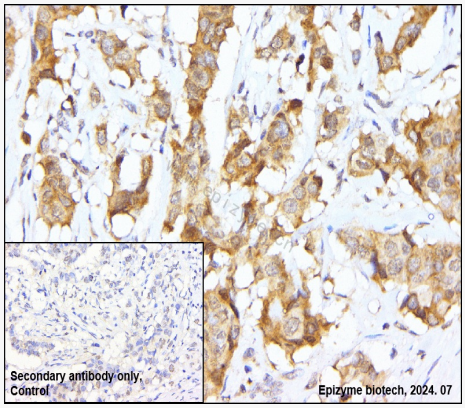

Immunohistochemistry - Anti-PI3-Kinase p85 beta Rabbit mAb [31C49E09]
Sample: Paraformaldehyde-fixed, paraffin embedded mouse kidney tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R013807 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
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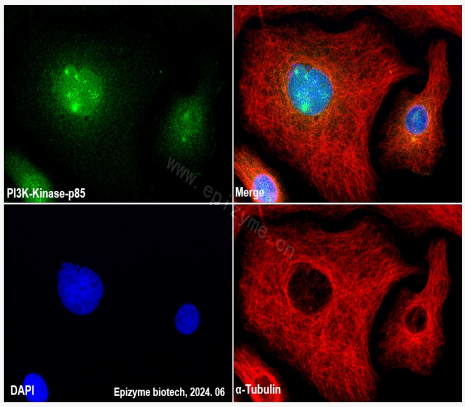

Western Blot - Anti-PI3-Kinase p85 beta Rabbit mAb [31C49E09]
All lanes: R013807 at 1:1,000 dilution
Lane 1: A431 (human epidermoid carcinoma cell ) whole cell lysates
Lane 2: Jurkat (human T lymphocytic leukemia cell) whole cell lysates
Lane 3: HCT116 (human colorectal carcinoma epithelial cell) whole cell lysates
Lane 4: SCC-9 (human tongue squamous carcinoma epithelial cell) whole cell lysates
Lane 5: U2OS (human osteosarcoma epithelial cell) whole cell lysates
Lane 6: Rat kidney whole tissue 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: 85 kDa
Observed band size: 85 kDa
Developed using the ECL technique (Cat. No. SQ201).




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Positive/negative staining were presented.
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Immunofluorescence - Anti-PI3-Kinase p85 beta Rabbit mAb [31C49E09]
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: R013807 at 1:50 dilution and α-tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:50 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).