

Anti-VPS15 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

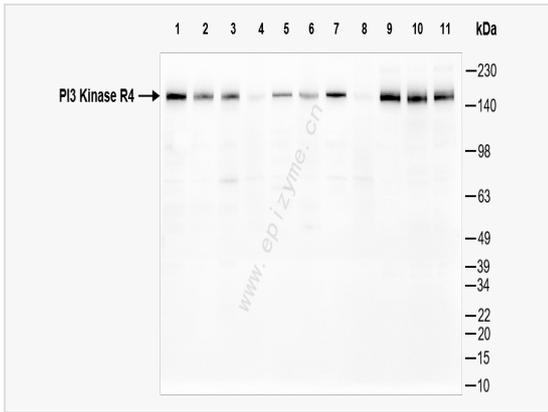
Catalog # R015129

Product Information

Application	WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
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.	91D98P84
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human PI 3 Kinase R4
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-VPS15 Rabbit mAb [91D98P84] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	MGC102700; P150; Phosphatidylinositol 3 kinase associated p150; Phosphatidylinositol 3 kinase regulatory subunit polypeptide 4; Phosphatidylinositol 3 kinase regulatory subunit polypeptide 4 p150; Phosphoinositide 3 kinase adaptor protein; Phosphoinositide 3 kinase regulatory subunit 4; Phosphoinositide 3 kinase regulatory subunit 4 p150; Phosphoinositide 3 kinase regulatory subunit polypeptide 4; Phosphoinositide 3 kinase regulatory subunit polypeptide 4 p150; Phosphoinositide 3-kinase adaptor protein; Phosphoinositide 3-kinase regulatory subunit 4; PI3 kinase p150 subunit; PI3-kinase p150 subunit; PI3-kinase regulatory subunit 4; PI3R4_HUMAN; PIK3R 4; PIK3R4; VPS-15.
Calculated MW	Calculated MW: 153 kDa; Observed MW: 153 kDa
Uniprot ID	Q99570
Gene ID	30849
Background	Regulatory 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. Involved in regulation of degradative endocytic trafficking and cytokinesis, probably in the context of PI3KC3-C2 (PubMed:20643123).
Tissue Location	Ubiquitously expressed.



Western Blot - Anti-VPS15 Rabbit mAb [91D98P84]

All lanes: R015129 at 1:1,000 dilution

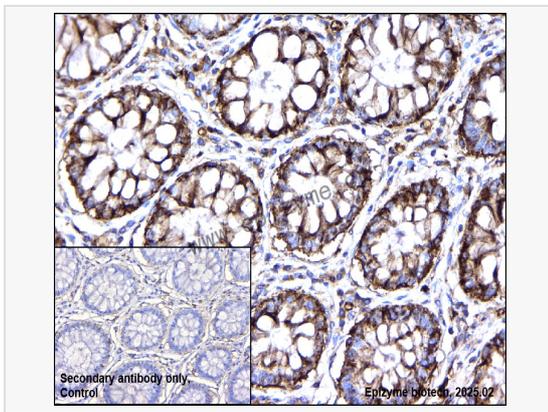
- Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
 - Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
 - Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
 - Lane 4: U2OS (Human osteosarcoma epithelial cell) whole cell lysates
 - Lane 5: Caco2 (Human colorectal adenocarcinoma epithelial cell) whole cell lysates
 - Lane 6: Jurkat (Human T lymphocytic leukemia cell) whole cell lysates
 - Lane 7: 293T (Human embryonic kidney cell) whole cell lysates
 - Lane 8: SCC-9 (Human tongue squamous carcinoma epithelial cell) whole cell lysates
 - Lane 9: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates
 - Lane 10: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates
 - Lane 11: PC-12 (Rat adrenal pheochromocytoma 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: 153 kDa

Observed band size: 153 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-VPS15 Rabbit mAb [91D98P84]

Sample: Paraformaldehyde-fixed, paraffin embedded human rectal adenocarcinoma tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

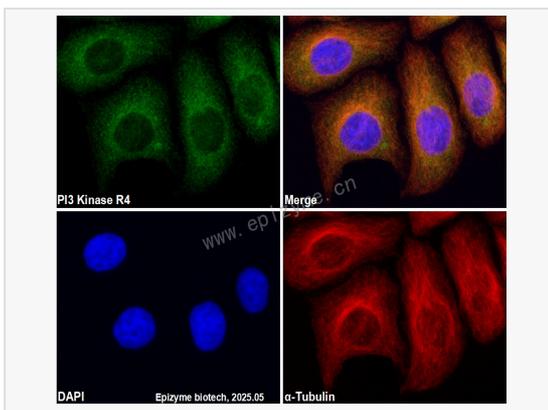
Primary antibody: R015129 at 1:200 dilution

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-VPS15 Rabbit mAb [91D98P84]

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: R015129 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).