Anti-RICTOR Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R014875

Product Information

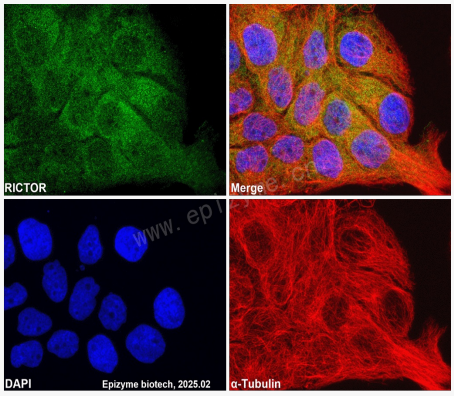
Application	WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF (Tissue-P) 1:50~1:100; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	37I68J50
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human RICTOR
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-RICTOR Rabbit mAb [37I68J50] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

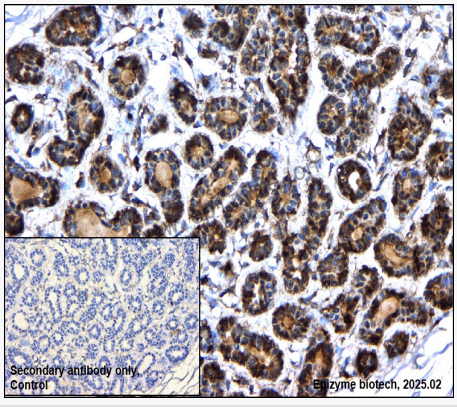
Synonyms	AVO3, AVO3 homolog, DKFZp686B11164, hAVO3, KIAA1999, Likely ortholog of mouse TORC2 specific protein AVO3 (S. cerevisiae), mAVO3, MGC39830, PIA, Pianissimo, Rapamycin insensitive companion of mTOR, Rapamycin-insensitive companion of mTOR, Rictor, RICTR, RICTR_HUMAN, RPTOR independent companion of MTOR complex 2, TORC2 specific protein AVO3.
Calculated MW	Calculated MW: 192 kDa; Observed MW: 200 kDa
Uniprot ID	Q6R327
Gene ID	253260
Background	RICTOR and MTOR (FRAP1; MIM 601231) are components of a protein complex that integrates nutrient- and growth factor-derived signals to regulate cell growth (Sarbassov et al., 2004 [PubMed 15268862]).[supplied by OMIM, Mar 2008]

Validation Images

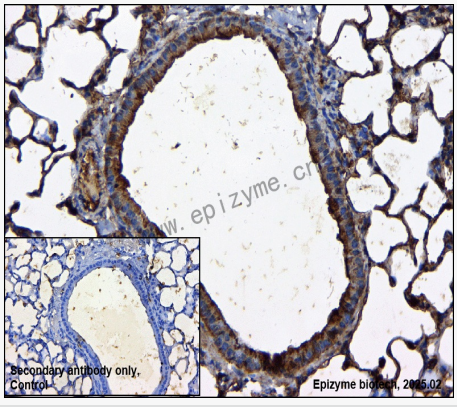
Western Blot - Anti-RICTOR Rabbit mAb [37I68J50]
All lanes: R014875 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 4: SW620 (Human colorectal carcinoma 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
Lane10: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates
Lane11: 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: 192 kDa
Observed band size: 200 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-RICTOR Rabbit mAb [37I68J50]
Sample: A431 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: R014875 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).



Immunohistochemistry - Anti-RICTOR Rabbit mAb [37I68J50]
Sample: Paraformaldehyde-fixed, paraffin embedded human breast cancer tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R014875 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-RICTOR Rabbit mAb [37I68J50]
Sample: Paraformaldehyde-fixed, paraffin embedded mouse lung tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R014875 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.