RICTOR Mouse Monoclonal Antibody

E10-30090

Background: Cell growth is a fundamental biological process whereby cells accumulate mass and increase in size. The mammalian TOR (mTOR) pathway regulates growth by coordinating energy and nutrient signals with growth factor-derived signals . mTOR is a large protein kinase with two different complexes. One complex contains mTOR, GβL and raptor, which is a target of rapamycin. The other complex, insensitive to rapamycin, includes mTOR, GβL, Sin1 and rictor . The mTOR-rictor complex phosphorylates Ser473 of Akt/PKB in vitro .

Catalog Number: E10-30090

Amount: 100μg/100μl

Clone Number: 7B3

Species: Mouse IgG1

MW: 192kDa

Aliases: PIA; mAVO3; KIAA1999; MGC39830; DKFZp686B11164; RICTOR

Entrez Gene: 253260

Immunogen: Purified recombinant fragment of human RICTOR expressed in E. Coli.

Storage: Store at 4℃, for long term storage, store at -20℃.

Formulation: Ascitic fluid containing 0.03% sodium azide.

Species Reactivities: Human; Monkey; Mouse

Tested Applications: WB, IHC, IF, FC, ELISA. Not yet tested in other applications.

Application notes: WB: 1/500 - 1/2000, IHC: 1/200-1/1000, IF: 1/200 - 1/1000, FC: 1/200-1/400, ELISA: Propose dilution 1/10000.

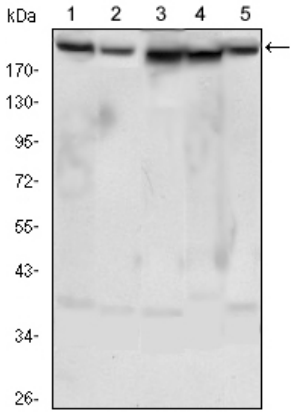

Figure 1: Western blot analysis using RICTOR mouse mAb against Hela (1), PANC-1 (2), MOLT4 (3), HepG2 (4) and HEK293 (5) cell lysate.

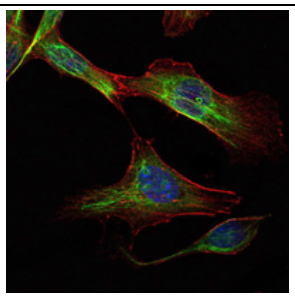

Figure 2: Immunofluorescence analysis of NIH/3T3 cells using RICTOR mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

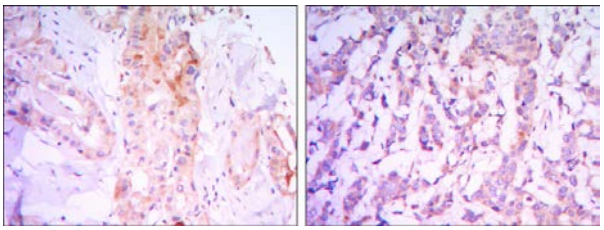

Figure 3: Immunohistochemical analysis of paraffin-embedded thyroid gland tissues (left) and human breast carcinoma (right) using RICTOR mouse mAb with DAB staining.

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