

PDPK1 monoclonal antibody

Catalog: MB21970

Host: Mouse

Reactivity: Human, Mouse, Monkey, Rat

BackGround:

Phosphoinositide-dependent kinase 1 (PDPK1, PDK1) is a serine/threonine protein kinase integral to the function of the PI 3-K/Akt signaling pathway. PDK1 and mTORC2 both phosphorylate and activate PKB/Akt, ensuring a cellular response to stimuli such as growth factors and insulin signaling. Akt is the main effector of PDK1.

Product:

Purified antibody in PBS with 0.05% sodium azide

Molecular Weight:

63.2kDa

Swiss-Prot:

O15530

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

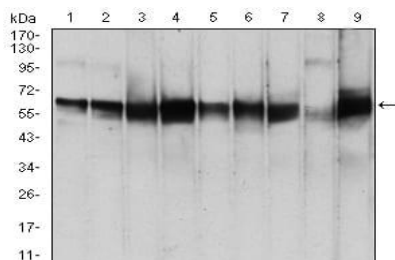
WB:1/500 - 1/2000 IHC:1/200 - 1/1000 IF:1/50 - 1/200
FC:1/200 - 1/400

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

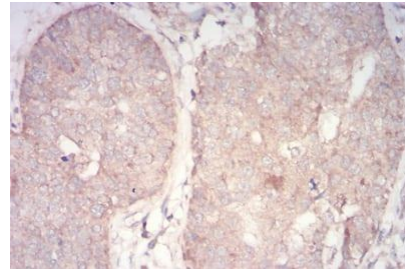
Isotype:

Mouse IgG1

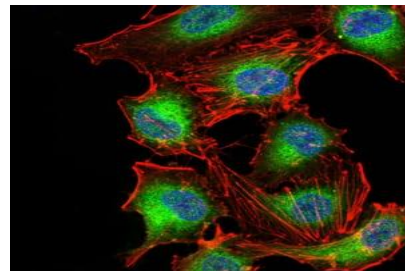
DATA:

Western blot analysis using PDPK1 mouse mAb against MCF-7 (1),

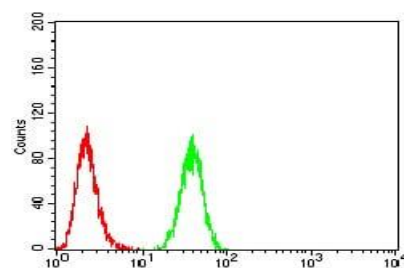
Hela (2), K562 (3), U937 (4), A549 (5), NIH/3T3 (6), Jurkat (7), PC-12 (8), and Cos7 (9) cell lysate.



Immunohistochemical analysis of paraffin-embedded human bladder cancer tissues using PDPK1 mouse mAb with DAB staining.



Immunofluorescence analysis of A549 cells using PDPK1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



Flow cytometric analysis of A549 cells using PDPK1 mouse mAb (green) and negative control (red).

Note:

For research use only, not for use in diagnostic procedure.

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