bsm-60302R

[Primary Antibody]

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PDPK1 Recombinant Rabbit mAb

- DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Recombinant CloneNo.: P1B6

GenelD: 5170 SWISS: O15530

Target: PDPK1

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%

Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

Background: PDK1 (3 Phosphoinositide Dependent Protein Kinase 1)

phosphorylates AGC kinases.

PDK1 activates conventional PKC and PKC zeta through phosphorylation of critical threonine residues in the activation loop. PDK1 also phosphorylates Protein Kinase B (PKB) at threonine 308 in the presence of phosphatidylinositol-3,4,5-trisphosphate. Active Akt inactivates Glycogen Synthase Kinase 3 (GSK3), eventually leading to the dephosphorylation and activation of glycogen synthase and the stimulation of glycogen synthesis. Because of the role that PDK plays in insulin-induced glycogen synthesis and PKC activation it is a potentially important target for metabolic drug research. There are three named

isoforms.

Applications: IHC-P (1:50-200)

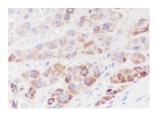
IHC-F (1:50-200) IF (1:50-200) ICC/IF (1:50-200)

Reactivity: Human, Mouse

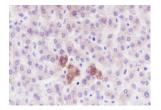
Predicted MW.: 61 kDa

Subcellular Location: Cell membrane ,Cytoplasm

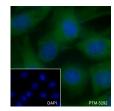
VALIDATION IMAGES



Tissue:Human liver cancer Section type:
Formalin fixed & Paraffin -embedded section
Retrieval method: High temperature and high
pressure Retrieval buffer: Tris/EDTA buffer, pH
9.0 Primary ab dilution: 1:100 Primary ab
incubation condition: 1 hour at room
temperature Counter stain: Hematoxylin
Comment: Color brown is the positive signal for
bsm-60302R



Tissue:Human liver Section type: Formalin fixed & Paraffin -embedded section Retrieval method: High temperature and high pressure Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary ab dilution: 1:100 Primary ab incubation condition: 1 hour at room temperature Counter stain: Hematoxylin Comment: Color brown is the positive signal for bsm-60302R



Cell line: NIH3T3 Fixative: 4% Paraformaldehyde Permeabilization: 0.1% TritonX-100 Primary ab dilution: 1:50 Primary incubation condition: 4°C overnight Secondary ab: Goat Anti-Rabbit IgG Nuclear counter stain: DAPI (Blue) Comment: Color green is the positive signal for bsm-60302R