PDK2 (R291) polyclonal antibody

Catalog: BCP01282 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

The core of PDC is composed of sixty dihydrolypoyl acetyltransferase (E2) subunits that bind directly to PDK2 and enhance PDK2 kinase activity. Upregulation of PDK isoenzymes occurs during starvation conditions, rerouting acetyl-CoA generation by facilitating fatty acid oxidation. PDKs contain five conserved regions and are mechanistically similar to bacterial His-kinases, in that both require histidine residues for activity. In mammals, transcripts for PDK2 are ubiquitously expressed with high levels in heart and skeletal muscle and decreased levels in spleen and lung.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 46 kDa

Swiss-Prot:

Q15119

Purification&Purity:

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

Applications:

WB 1:500 - 1:1000

IHC 1:50 - 1:100

IP 1:10 - 1:100

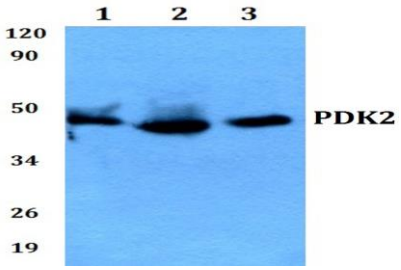
Storage&Stability:

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

Specificity:

PDK2 (R291) polyclonal antibody detects endogenous levels of PDK2 protein.

DATA:



Western blot (WB) analysis of PDK2 (R291) polyclonal antibody at 1:500 dilution

Lane1:HEK293T whole cell lysate(40ug)

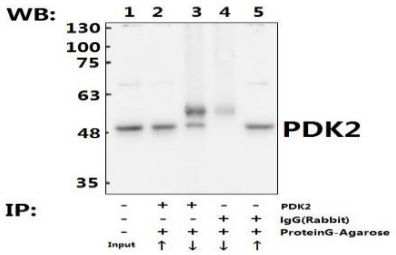
Lane2:L02 whole cell lysate(40ug)

Lane3:The brain tissue lysate of Mouse(40ug)

Lane4:The brain tissue lysate of Rat(40ug)

Lane5:The liver tissue lysate of Mouse(40ug)

Lane6:The liver tissue lysate of Rat(40ug)



Immunoprecipitation of the Brain tissue lysate of Rat using PDK2 (R291) pAb (Sepharose Bead Conjugate) #BD0047(lane 2 and lane 3) and Nonspecific IgG Control (Sepharose Bead Conjugate)#BD0047 (lane 4 and lane 5) .Lane 1 is 30% input. The western blot was probed using PDK2 (R291) pAb. “↑” (supernatant); “↓” (deposition)

Note:

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

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