

Cdk2 (Phospho-Y15) polyclonal antibody

Catalog: BS94063

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

In vertebrates, as in yeast, multiple cyclins have been identified, including a total of eight such regulatory proteins in mammals. In contrast to the situation in yeast, the Cdc2 p34 kinase is not the only catalytic subunit identified in vertebrates that can interact with cyclins. While Cdc2 p34 is essential for the G2 to M transition in vertebrate cells, a second Cdc2-related kinase has also been implicated in cell cycle control. This protein, designated cyclin-dependent kinase 2 (Cdk2) p33, also binds to cyclins and its kinase activity is temporally regulated during the cell cycle. Several additional Cdc2 p34-related cyclin dependent kinases have been identified. These include Cdk3-Cdk8, PCTAIRE-1-3 and KKIALLRE.

Product:

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

Molecular Weight:

34 kDa

Swiss-Prot:

P24941(Human) P97377(Mouse) Q63699(Rat)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:1,000

IHC:1:50-1:200

Storage&Stability:

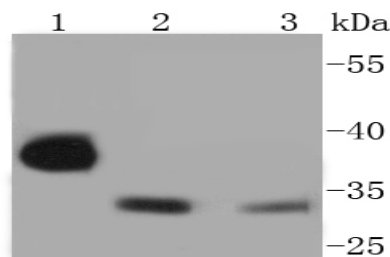
Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

Specificity:

Cdk2 (Phospho-Y15) polyclonal antibody detects endog-

enous levels of Cdk2 protein only when phosphorylated at Y15.

DATA:

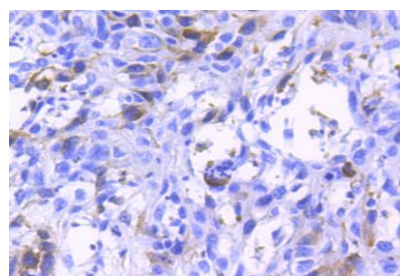


Western blot analysis of Phospho-Cdk2(Y15) on different lysates using anti-Phospho-Cdk2(Y15) antibody at 1/1,000 dilution. Positive control:

Lane 1: Hela

Lane 2: Mouse spleen

Lane 3: NIH/3T3



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-Phospho-Cdk2(Y15) antibody. Counter stained with hematoxylin.

Note:

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

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