

Cdk2 (V154) polyclonal antibody

Catalog: BCP00482

Host: Rabbit

Reactivity: Human, Mouse, Rat

Background:

Cdk2 is a member of the Ser/Thr protein kinase family. It is highly similar to the gene products of *S. cerevisiae* cdc28, and *S. pombe* cdc2. It is a catalytic subunit of the cyclin-dependent protein kinase complex, whose activity is restricted to the G1-S phase, and is essential for cell cycle G1/S phase transition. This protein associates with and is regulated by the regulatory subunits of the complex including cyclin A or E, CDK inhibitor p21Cip1 (CDKN1A) and p27Kip1 (CDKN1B). Its activity is also regulated by protein phosphorylation. Two alternatively spliced variants and multiple transcription initiation sites of this gene have been reported.

Product:

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

Molecular Weight:

~ 34 kDa

Swiss-Prot:

P24941

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: 1:50~1:200

Storage&Stability:

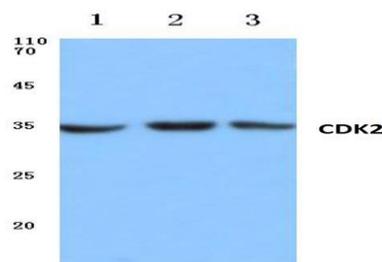
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Cdk2 (V154) polyclonal antibody detects endogenous

levels of Cdk2 protein. Based on sequence similarity, the antibody may cross-react with Cdc2 protein.

DATA:



Western blot (WB) analysis of Cdk2 (V154) pAb at 1:500 dilution

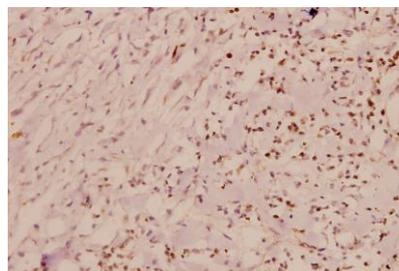
Lane1:PC12 whole cell lysate(40ug)

Lane2:BV2 whole cell lysate(40ug)

Lane3:L02 whole cell lysate(40ug)

Lane4:SGC7901 whole cell lysate(40ug)

Lane5:HEK293T whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of Cdk2 (V154) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

Note:

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