

p18 INK4c (D142) polyclonal antibody

Catalog: BCP01233

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

The normal progression of cells through the cell cycle is under the control of the cyclin dependent protein kinases Cdk4 and Cdk6 which are subject to inhibition by the mitotic inhibitory protein p16. Isolated members of the p16 family have been designated p15 and p18, respectively. The p16 related protein, p18, interacts strongly with Cdk6 and to a lesser extent with Cdk4, but lacks apparent interaction with other Cdks. Recombinant p18 has been shown to inhibit cyclin D-Cdk6 kinase activity. In contrast to p21/p27 that form ternary complexes with cyclin-Cdks, only binary complexes of p15, p16 and p18 have been identified in association with Cdk4 and/or Cdk6.

Product:

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

Molecular Weight:

~ 18 kDa

Swiss-Prot:

P42773

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

IP: 1:50~1:200

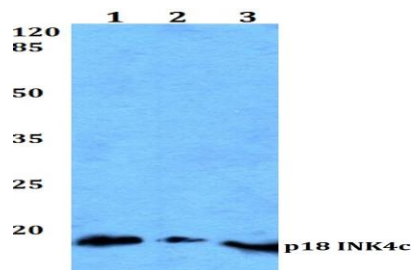
Storage&Stability:

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

Specificity:

p18 INK4c (D142) polyclonal antibody detects endogenous levels of p18 INK4c protein.

DATA:



Western blot (WB) analysis of p18 INK4c (D142) polyclonal antibody at 1:500 dilution

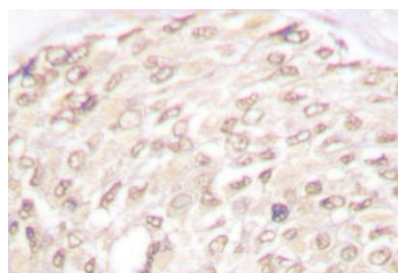
Lane1:MCF-7 whole cell lysate(40ug)

Lane2:A549 whole cell lysate(40ug)

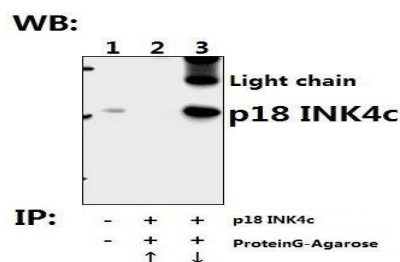
Lane3:Hela whole cell lysate(40ug)

Lane4:CT26 whole cell lysate(40ug)

Lane5:PC12 whole cell lysate(40ug)



Immunohistochemistry (IHC) analysis of p18 INK4c (D142) pAb in paraffin-embedded human breast carcinoma tissue



Immunoprecipitation of Hela cell lysate using p18 INK4c (D142) pAb (Sepharose Bead Conjugate) #BD0048(lane 2 and lane 3). Lane 1 is 30% input. The western blot was probed using p18 INK4c (D142).

“↑” (supernatant) ; “↓”(deposition)

Note:

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