

**c-TAK1 (P8) polyclonal antibody**

Catalog: BCP00591

Host: Rabbit

Reactivity: Human,Mouse,Rat

**BackGround:**

c-TAK1 (Cdc25C associated protein kinase) phosphorylates Cdc25C on Ser 216 and is ubiquitously expressed in various human tissue and cell lines. C-TAK1 is distinct from Chk1, which also phosphorylates Cdc25C on Ser 216 in response to DNA damage. Phosphorylation of Cdc25C allows for the preferential binding of 14-3-3 proteins, subsequently retaining Cdc25C in the cytoplasm. Thus, the binding of 14-3-3 proteins prevents Cdc25C from dephosphorylating Cdc2 in the nucleus, thereby controlling the entry of the cells into mitosis. It is suggested that C-TAK1 mediates the binding of the 14-3-3 proteins through its kinase activity and acts as a negative regulator of mitosis.

**Product:**

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

**Molecular Weight:**

~ 87 kDa

**Swiss-Prot:**

P27448

**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

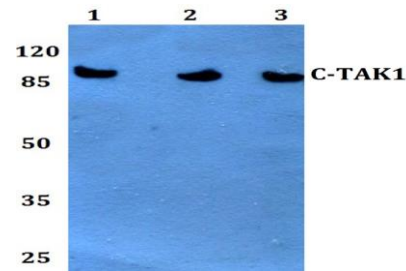
IHC: 1:50~1:200

**Storage&Stability:**

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

**Specificity:**

c-TAK1 (P8) polyclonal antibody detects endogenous levels of C-TAK1 protein.

**DATA:**

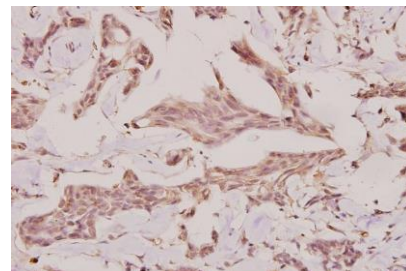
Western blot (WB) analysis of c-TAK1 (P8) pAb at 1:1000 dilution

Lane1:Hela whole cell lysate(40ug)

Lane2:HEK293T whole cell lysate(40ug)

Lane3:C6 whole cell lysate(40ug)

Lane4:CT26 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of c-TAK1 (P8) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

**Note:**

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