

## c-TAK1 (P8) polyclonal antibody

Catalog: BS1969

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:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

### 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

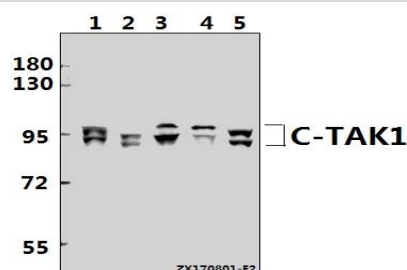
### Storage&Stability:

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:



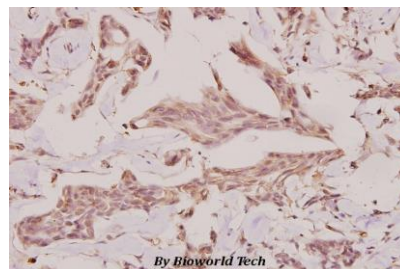
Western blot (WB) analysis of c-TAK1 (P8) pAb at 1:1000 dilution

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.

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