

## Dbf4 (I18) polyclonal antibody

Catalog: BS2372

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

The Dbf4/Cdc7 protein kinase is essential for the activation of replication origins during S phase. Cdc7-Dbf4 efficiently phosphorylates several proteins that are required for the initiation of DNA replication, including five of the six minichromosome maintenance (Mcm) proteins and the p180 subunit of DNA polymerase  $\alpha$ -primase. This protein complex consists of the catalytic subunit Cdc7 associating with the regulatory and activating subunit Dbf4, and the kinase activity of the complex is regulated throughout the cell cycle mainly by fluctuating levels of Dbf4. Cdc7 is consistently expressed throughout the cell cycle, while the expression of Dbf4 is absent during G1 phase and accumulates during S and G2 phases. The anaphase-promoting complex rapidly degrades Dbf4 at the time of chromosome segregation, and the stability of Dbf4 remains low during pre-Start G1 phase.

### Product:

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

### Molecular Weight:

~ 77 kDa

### Swiss-Prot:

Q9UBU7

### 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

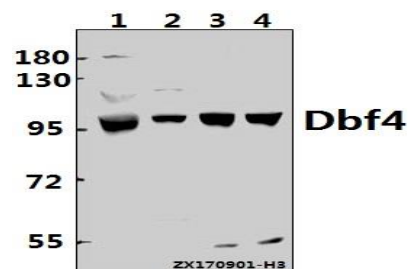
### Storage&Stability:

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

### Specificity:

Dbf4 (I18) polyclonal antibody detects endogenous levels of Dbf4 (I18) protein.

### DATA:



Western blot (WB) analysis of Dbf4 (I18) pAb at 1:500 dilution

Lane1:HEK293T whole cell lysate(40ug)

Lane2:PC3 whole cell lysate(40ug)

Lane3:The Testis tissue lysate of Mouse(40ug)

Lane4:The Testis tissue lysate of Rat(40ug)

### Note:

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

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