

## Dbf4 Rabbit pAb

CatalogNo: YT1295 Orthogonal Validated 

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Monkey

#### Applications

- WB, IHC, IF, ELISA

#### MW

- 77kD (Observed)

#### Isotype

- IgG

### Storage

**Storage\*** -15°C to -25°C/1 year(Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Recommended Dilution Ratios

**WB** 1:500-1:2000

**IHC** 1:100-1:300

**ELISA** 1:10000

**IF** 1:50-200

### Basic Information

#### Clonality

Polyclonal

### Immunogen Information

#### Immunogen

The antiserum was produced against synthesized peptide derived from human DBF4. AA range:10-59

#### Specificity

Dbf4 Polyclonal Antibody detects endogenous levels of Dbf4 protein.

### Target Information

**Gene name** DBF4

**Protein Name** Protein DBF4 homolog A

**Organism**

**Gene ID**

**UniProt ID**

Human

[10926](#);

[Q9UBU7](#);

Mouse

[27214](#);

[Q9QZ41](#);

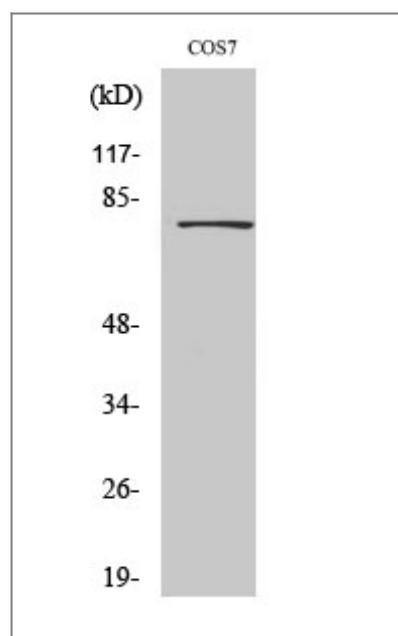
**Cellular Localization** Nucleus .

**Tissue specificity** Highly expressed in testis and thymus. Expressed also in most cancer cells lines.

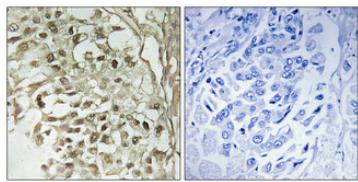
**Function**

Function:Regulatory subunit for CDC7 which activates its kinase activity thereby playing a central role in DNA replication and cell proliferation. Required for progression of S phase. The complex CDC7-DBF4A selectively phosphorylates MCM2 subunit at 'Ser-40' and 'Ser-53' and then is involved in regulating the initiation of DNA replication during cell cycle.,induction:Induced in G1 phase at low level, increased during G1-S phase and remain high during S and G2-M phase.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Contains 1 DBF4-type zinc finger.,similarity:Contains 2 BRCT domains.,subunit:Forms a complex with CDC7. Note that CDC7 forms distinct complex either with DBF4A or DBF4B. Such complexes are stable upon replication stress. Interacts with MEN1, MCM2, ORC2L, ORC4L and ORC6L.,tissue specificity:Highly expressed in testis and thymus. Expressed also in most cancer cells lines.,

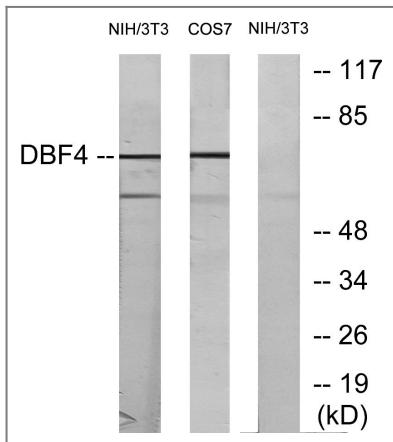
## Validation Data



Western Blot analysis of various cells using Dbf4 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).



Immunohistochemical analysis of paraffin-embedded Human breast cancer. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA, pH8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.



## Contact information

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Please scan the QR code to access additional product information:  
**Dbf4 Rabbit pAb**

For Research Use Only. Not for Use in Diagnostic Procedures.

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