



Rabbit Anti-DBF4B antibody

SL5748R

Product Name:	DBF4B
Chinese Name:	S期激酶活化蛋白DBF4B抗体
Alias:	Activator of S phase kinase like protein 1; ASK like protein 1; ASKL1; chifb; Chiffon homolog B; DBF 4B; DBF4 homolog B (S. cerevisiae); DBF4 homolog B; Dbf4 related factor 1; DRF1; Protein DBF4 homolog B; ZDBF1B; Zinc finger DBF type containing 1B; DBF4B_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	18kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human DBF4B/ASKL1:41-140/615
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	DBF4B is a regulatory subunit for CDC7, a serine-threonine kinase which links cell cycle regulation to genome duplication. The complex CDC7-DBF4B selectively phosphorylates the MCM2 subunit at 'Ser-40' and then is involved in regulating the initiation of DNA replication during cell cycle. DBF4B localizes to the nucleus and its

expression is cell cycle-regulated.

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 and M phases. The complex CDC7-DBF4B selectively phosphorylates MCM2 subunit at 'Ser-40' and then is involved in regulating the initiation of DNA replication during cell cycle.

Subunit:

Forms a complex with CDC7. Note that CDC7 forms distinct complex either with DBF4/DBF4A or DBF4B. Such complexes are stable upon replication stress.

Subcellular Location:

Nucleus. Note=Predominantly found in soluble fraction but not in the chromatin-bound fraction.

Tissue Specificity:

Widely expressed. Highly expressed in testis.

Post-translational modifications:

Phosphorylated.

Similarity:

Contains 1 BRCT domain.

Contains 1 DBF4-type zinc finger.

SWISS:

Q8NFT6

Gene ID:

80174

Database links:

[Entrez Gene: 80174](#)Human

[Omim: 611661](#)Human

[SwissProt: Q8NFT6](#)Human

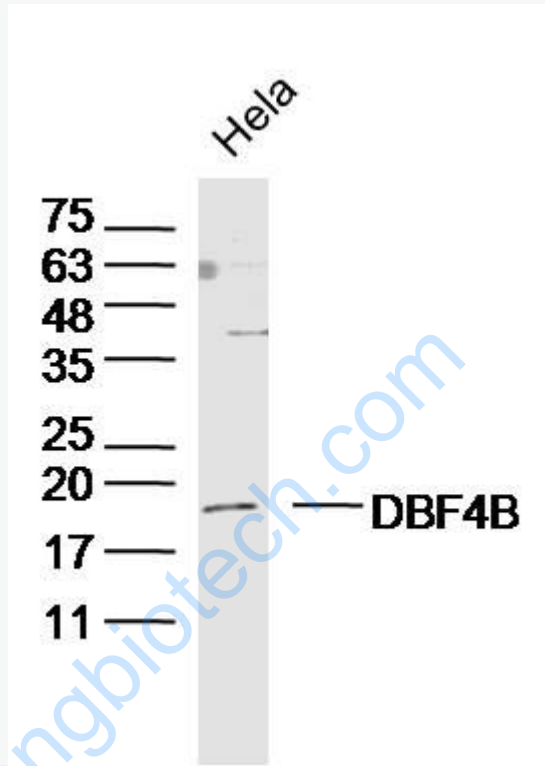
[Unigene: 369998](#)Human

[Unigene: 728986](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



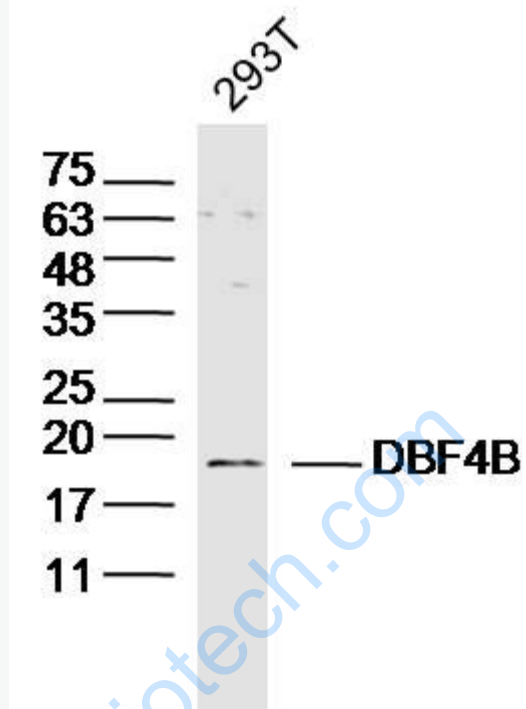
Sample: HeLa Cell (Human) Lysate at 30 ug

Primary: Anti-DBF4B (SL5748R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 18kD

Observed band size: 18kD



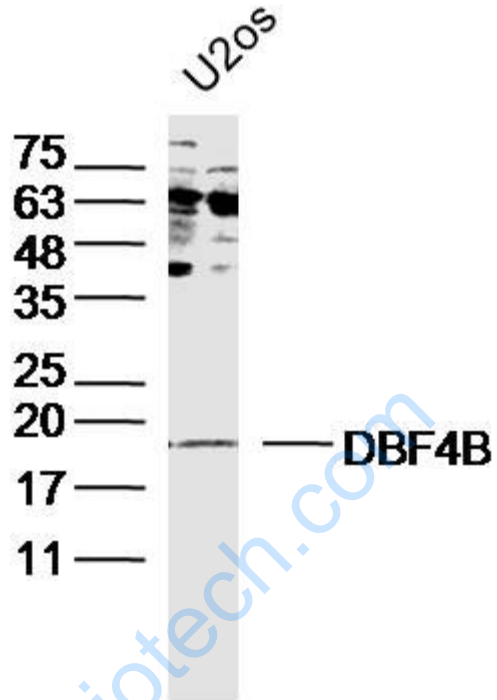
Sample: 293T Cell (Human) Lysate at 30 ug

Primary: Anti-DBF4B (SL5748R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 18kD

Observed band size: 18kD



Sample: U2os Cell (Human) Lysate at 30 ug

Primary: Anti-DBF4B (SL5748R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 18kD

Observed band size: 18kD