

DBF4 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51156

Product Information

Application	WB
Primary Accession	Q9UBU7
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	76858

Additional Information

Gene ID	10926
Other Names	Protein DBF4 homolog A, Activator of S phase kinase, Chiffon homolog A, DBF4-type zinc finger-containing protein 1, DBF4, ASK, DBF4A, ZDBF1
Target/Specificity	KLH conjugated synthetic peptide derived from human DBF4
Dilution	WB~~ 1:1000
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	DBF4
Synonyms	ASK, DBF4A, ZDBF1
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.
Cellular Location	Nucleus.
Tissue Location	Highly expressed in testis and thymus. Expressed also in most cancer cells lines.

Background

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.

References

Kumagai H.,et al.Mol. Cell. Biol. 19:5083-5095(1999).

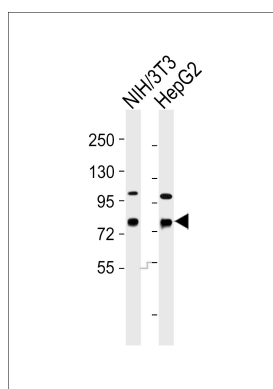
Jiang W.,et al.EMBO J. 18:5703-5713(1999).

Hollingsworth R.,et al.Submitted (JUN-1999) to the EMBL/GenBank/DDBJ databases.

Ota T.,et al.Nat. Genet. 36:40-45(2004).

Hillier L.W.,et al.Nature 424:157-164(2003).

Images



All lanes : Anti-DBF4 Antibody at 1:1000 dilution Lane 1: NIH/3T3 whole cell lysates Lane 2: HepG2 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 77 kDa Blocking/Dilution buffer: 5% NFDm/TBST.

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