10320 Camino Santa Fe, Suite G
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DBF4B Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP4825c

Specification

DBF4B Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q8NFT6

DBF4B Antibody (Center) Blocking Peptide - Additional Information

Gene ID 80174

Other Names
Protein DBF4 homolog B, Activator of S phase kinase-like protein 1, ASK-like protein 1, Chiffon homolog B, Dbf4-related factor 1, DBF4B, ASKL1, DRF1

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

DBF4B Antibody (Center) Blocking Peptide - Protein Information

Name DBF4B

Synonyms ASKL1, DRF1

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.

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

Tissue Location
Widely expressed. Highly expressed in testis.

DBF4B Antibody (Center) Blocking Peptide - Protocols

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Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

DBF4B Antibody (Center) Blocking Peptide - Images

DBF4B Antibody (Center) Blocking Peptide - Background

DBF4B encodes a regulator of the CDC7-like 1 protein, a serine-threonine kinase which links cell cycle regulation to genome duplication. This protein localizes to the nucleus and its expression is cell cycle-regulated. Alternative splicing of this gene results in two transcript variants encoding different isoforms.

DBF4B Antibody (Center) Blocking Peptide - References

Tsuji, T., et al. Mol. Cell 32(6):862-869(2008)Yoshizawa-Sugata, N., et al. J. Biol. Chem. 280(13):13062-13070(2005)Montagnoli, A., et al. EMBO J. 21(12):3171-3181(2002)