

Rabbit Anti-DAF4B/Biotin Conjugated antibody

SL5748R-Bio

Product Name	Anti-DAF4B/Biotin
Chinese Name	生物素标记的 S 期激酶活化蛋白 DAF4B 抗体
Alias	Activator of S phase kinase like protein 1; ASK like protein 1; ASKL1; chifb; Chiffon homolog B; DBF 4B; DAF4 homolog B (S. cerevisiae); DAF4 homolog B; Dbf4 related factor 1; DRF1; Protein DAF4 homolog B; ZDBF1B; Zinc finger DBF type containing 1B; DAF4B_HUMAN.
Research Area	Tumour Cell biology immunology Signal transduction Cyclin Kinases and Phosphatases Epigenetics
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human
Applications	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	18kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human DAF4B/ASKL1
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. 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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Storage	
Product Detail	background: DAF4B is a regulatory subunit for CDC7, a serine-threonine kinase which links cell cycle regulation to genome duplication. The complex

CDC7-DAF4B selectively phosphorylates the MCM2 subunit at 'Ser-40' and then is involved in regulating the initiation of DNA replication during cell cycle. DAF4B 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-DAF4B 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 DAF4/DAF4A or DAF4B. 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 DAF4-type zinc finger.

Database links:

[Entrez Gene: 80174](#) Human

[Omim: 611661](#) Human

[SwissProt: Q8NFT6](#) Human

[Unigene: 369998](#) Human

[Unigene: 728986](#) Human

Important Note:



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