



Dbf4 Polyclonal Antibody

Catalog No	YP-Ab-16735
Isotype	IgG
Reactivity	Human;Mouse;Monkey
Applications	WB;IHC;IF;ELISA
Gene Name	DBF4
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.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/10000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Activator of S phase kinase;ASK;CHIF;Chiffon homolog A;DBF4;DBF4 homolog (S. cerevisiae);DBF4 homolog;DBF4 type zinc finger containing protein 1;DBF4 zinc finger A;DBF4 zinc finger;S. cerevisiae;homolog of;DBF4-type zinc finger-containing protein 1;DBF4A;DBF4A_HUMAN;Dumbbell former 4; OTTHUMP161661;Protein DBF4 homolog A;ZDBF1;Zinc finger;DBF-type containing 1
Observed Band	77kD
Calculated Molecular Weight	77kD
Cell Pathway	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 ca

Background

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matters needing attention

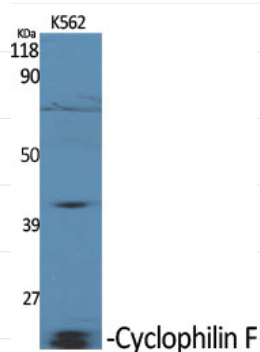
Avoid repeated freezing and thawing!

Usage suggestions

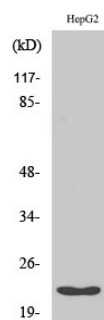
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



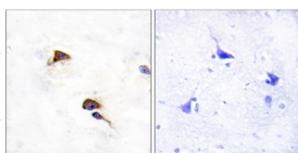
Products Images



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



Immunohistochemical analysis of paraffin-embedded Human breast cancer. Antibody was diluted at 1:100 (4° overnight). High-pressure and temperature Tris-EDTA, pH 8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.



Western blot analysis of lysates from NIH/3T3 cells, treated with H₂O₂ 100 μM 30', COS7 treated with PMA 125 ng/ml 30', using DBF4 Antibody. The lane on the right is blocked with the synthesized peptide.

