

Rabbit anti-Human, Mouse DBF4 Polyclonal Antibody | anti-DBF4 antibody

DBF4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324154	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

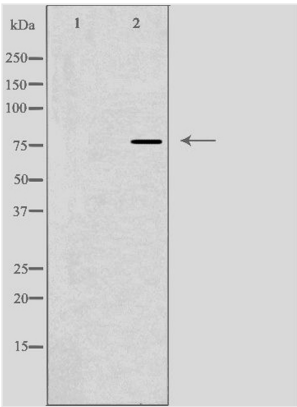
PRODUCT SYNONYMS

DBF4; Polyclonal Antibody; DBF4 Antibody; Activator of S phase kinase; ASK; CHIF; Chiffon homolog A; 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; OTTHUMP00000161661; Protein DBF4 homolog A; ZDBF1; Zinc finger; DBF-type containing 1; anti-DBF4 antibody

PRODUCT SPECIFICATIONS

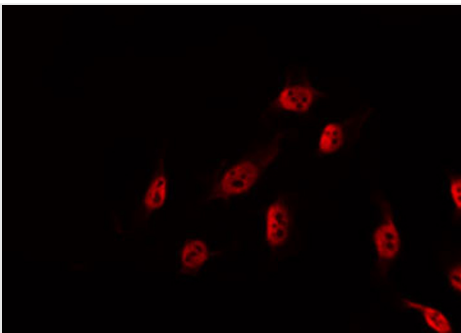
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	DBF4 antibody detects endogenous levels of total DBF4
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	441
Applicable Applications for anti-DBF4 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus.
Tissue Specificity	Highly expressed in testis and thymus. Expressed also in most cancer cells lines.
Predicted Cross Reactivity	Pig, Horse, Dog
Similarity	Pig (86%), Horse (83%), Dog (86%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from NIH-3T3 cells treated with H2O2 using DBF4 antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA324154 staining NIH-3T3 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-DBF4 antibody

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.

Subunit Structure: 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, ORC2, ORC4 and ORC6.

NCBI AND UNIPROT INFORMATION

NCBI GI #	968121863
NCBI GeneID	10926
NCBI Accession #	NP_001304989.1
NCBI GenBank Nucleotide #	NM_001318060.1
UniProt Accession #	Q9UBU7; O75226; Q75MS6; Q75N01; Q9Y2M6; A4D1D8; A8K954
Molecular Weight	Observed: 77 kD Predicted: 77 kDa
NCBI Official Full Name	protein DBF4 homolog A isoform 2
NCBI Official Synonym Full Names	DBF4 zinc finger
NCBI Official Symbol	DBF4
NCBI Official Synonym Symbols	ASK; CHIF; DBF4A; ZDBF1
NCBI Protein Information	protein DBF4 homolog A
UniProt Protein Name	Protein DBF4 homolog A
UniProt Gene Name	DBF4
UniProt Synonym Gene Names	ASK; DBF4A; ZDBF1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.