

Anti-DBF4 Antibody (2Q22)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	2Q22
Purification:	Affinity-chromatography

Applications

Verified Activity:	<p>1. Western Blot</p> <ul style="list-style-type: none">-Positive WB detected in: PC3 whole cell lysate, Hela whole cell lysate, 293T whole cell lysate, HepG2 whole cell lysate, U937 whole cell lysate-All lanes: DBF4 antibody at 1:2000-Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution <p>-Predicted band size: 77, 27 kDa</p> <p>-Observed band size: 72-95 kDa</p> <p>2. Immunofluorescence staining of A549 cell with TMAH-00332 at 1:50, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 551-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).</p>
Application:	ELISA, WB, IF
Recommended	WB:1:500-1:2000; IF:1:50-1:200.

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthetic peptide: Human DBF4
Antigen Species:	Human
Gene ID:	10926
Uniprot ID:	Q9UBU7
Synonyms:	Protein DBF4 homolog A;DBF 4;DBF4-type zinc finger-containing protein 1;DBF4A;ZDBF1; Activator of S phase kinase;ASK;Chiffon homolog A
Biology Area:	Epigenetics and Nuclear Signaling, Cell biology

Research 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481