

Product datasheet

Anti-DBF4B antibody ab69154

1 Image

Overview

Product name	Anti-DBF4B antibody
Description	Mouse polyclonal to DBF4B
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human
Immunogen	Full length human DBF4B protein (NP_079380.1)
Positive control	DBF4B transfected 293T cell lysate.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: None Constituents: Whole serum
Purity	Whole antiserum
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab69154** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
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WB

Application notes WB: 1/500 - 1/1000. Detects a band of approximately 18 kDa (predicted molecular weight: Isoform 4, 18 kDa; Isoform 1, 67 kDa).

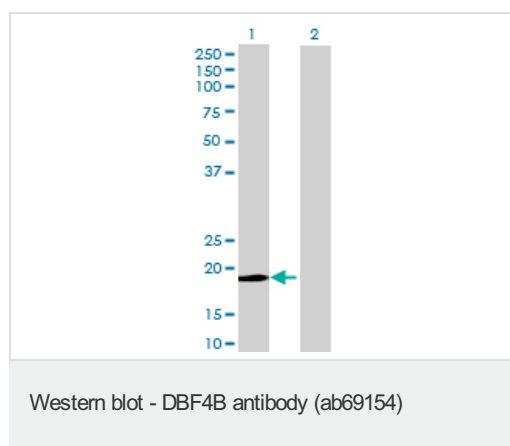
Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

Target

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.
Tissue specificity	Widely expressed. Highly expressed in testis.
Sequence similarities	Contains 1 BRCT domain. Contains 1 DBF4-type zinc finger.
Developmental stage	Increases as cells enter in S phase through G2/M phase. The protein has a short half-life (at protein level).
Post-translational modifications	Phosphorylated.
Cellular localization	Nucleus. Predominantly found in soluble fraction but not in the chromatin-bound fraction.

Images



All lanes : Anti-DBF4B antibody (ab69154) at 1/500 dilution

Lane 1 : DBF4B transfected 293T cell lysate

Lane 2 : Non-transfected 293T cell lysate

Lysates/proteins at 25 µg per lane.

Secondary

Goat Anti-Mouse IgG (H&L)-HRP Conjugate at 1/2500 dilution

Predicted band size : 18 kDa

Observed band size : 18 kDa

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