

Product datasheet

Anti-DBF4 antibody ab70134

画像数 2

製品の概要

製品名	Anti-DBF4 antibody
製品の詳細	Rabbit polyclonal to DBF4
由来種	Rabbit
特異性	ab70134 detects endogenous levels of total DBF4 protein.
アプリケーション	適用あり: ICC/IF, WB, ELISA
種交差性	交差種: Mouse, Human
免疫原	Synthetic peptide derived from the N terminus of human DBF4.
ポジティブ・コントロール	NIH3T3 cell extracts treated with H ₂ O ₂ (100μM, 30mins), COS7 cell extracts treated with PMA (125mg/ml, 30mins), and NIH3T3 cell extracts treated with both H ₂ O ₂ (100μM, 30mins) and PMA (125mg/ml, 30mins).

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS (without Mg ²⁺ and Ca ²⁺), 150mM Sodium chloride, pH 7.4
精製度	Immunogen affinity purified
特記事項(精製)	ab70124 was affinity purified from rabbit antiserum by affinity chromatography using epitope specific immunogen.
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab70134** in the following tested applications.

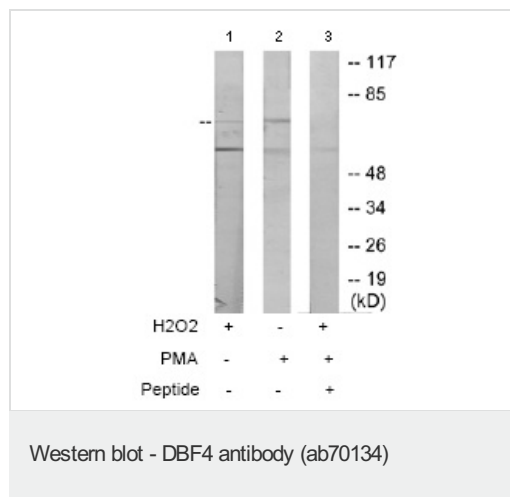
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
ICC/IF		Use a concentration of 1 µg/ml.
WB		1/500 - 1/1000. Detects a band of approximately 77 kDa (predicted molecular weight: 77 kDa).
ELISA		1/10000.

ターゲット情報

機能	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.
組織特異性	Highly expressed in testis and thymus. Expressed also in most cancer cells lines.
配列類似性	Contains 2 BRCT domains. Contains 1 DBF4-type zinc finger.
翻訳後修飾	Phosphorylated upon DNA damage, probably by ATM or ATR.
細胞内局在	Nucleus.

画像



All lanes : Anti-DBF4 antibody (ab70134) at 1/500 dilution

Lane 1 : NIH3T3 cell extracts treated with H₂O₂ (100µM, 30mins) at 5 µg

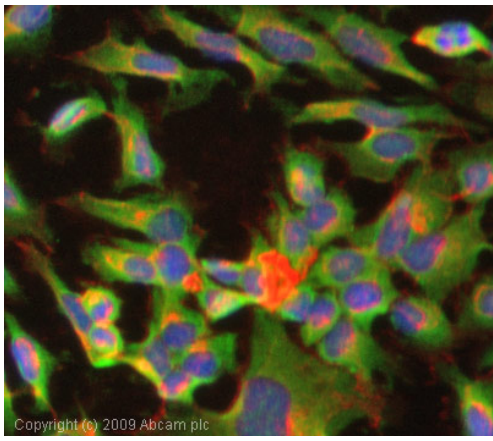
Lane 2 : COS7 cell extracts treated with PMA (125mg/ml, 30mins)

Lane 3 : NIH3T3 cell extracts treated with H₂O₂ (100µM, 30mins) and PMA (125mg/ml, 30mins) with immunising peptide at 5 µg

Predicted band size: 77 kDa

Observed band size: 77 kDa

Additional bands at: 60 kDa. We are unsure as to the identity of these extra bands.



Immunocytochemistry/ Immunofluorescence-DBF4 antibody(ab70134)

ICC/IF image of ab70134 stained HeLa cells. The cells were 100% methanol fixed (5 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab70134, 1µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

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