

Product datasheet

Anti-Cdc7 Kinase antibody [DCS-341] ab10535

★★★★★ 2 Abreviews 4 References 画像数 2

製品の概要

製品名	Anti-Cdc7 Kinase antibody [DCS-341]
製品の詳細	Mouse monoclonal [DCS-341] to Cdc7 Kinase
アプリケーション	適用あり: ELISA, WB, IP, ICC
種交差性	交差種: Human
免疫原	Full length protein (Human).
ポジティブ・コントロール	A431 whole cell lysate.

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: 15mM Sodium Azide Constituents: 0.01M PBS, pH 7.4
精製度	Protein G purified
ポリ/モノ	モノクローナル
クローン名	DCS-341
アイソタイプ	IgG1

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab10535** in the following tested applications.

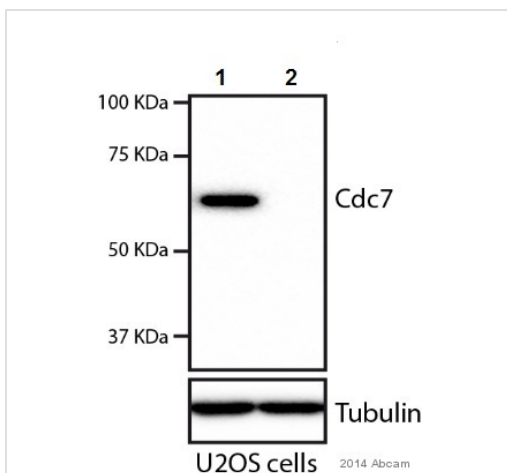
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
ELISA		Use at an assay dependent dilution.
WB	★★★★★	Use a concentration of 0.4 µg/ml. Detects a band of approximately 55 kDa (predicted molecular weight: 64 kDa).
IP		Use at an assay dependent dilution.

ターゲット情報

機能	Seems to phosphorylate critical substrates that regulate the G1/S phase transition and/or DNA replication. Can phosphorylates MCM2 and MCM3.
配列類似性	Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. CDC7 subfamily. Contains 1 protein kinase domain.
細胞内局在	Nucleus.

Anti-Cdc7 Kinase antibody [DCS-341] 画像



Western blot - Anti-Cdc7 Kinase antibody [DCS-341] (ab10535)

This image is courtesy of an Abreview submitted by Remi Buisson

All lanes : Anti-Cdc7 Kinase antibody [DCS-341] (ab10535) at 1/1000 dilution

Lane 1 : U2OS Cell lysate with siRNA control (scramble siRNA) siCdc7

Lane 2 : U2OS Cell Lysate with siRNA against Cdc7

Lysates/proteins at 10 µg per lane.

Secondary

Goat anti-Mouse monoclonal conjugated to HRP at 1/1000 dilution

Developed using the ECL technique

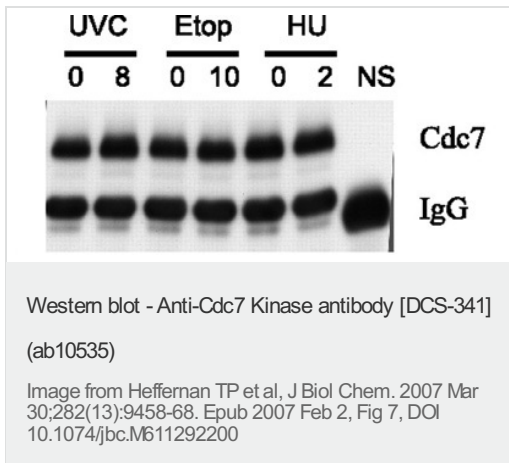
Performed under reducing conditions.

Predicted band size : 64 kDa

This image is courtesy of an Abreview submitted by Remi Buisson

Blocking Step: 1 hour at room temperature with 5% Milk in TBS.

Diluent: 5% Milk in TBS.



Predicted band size : 64 kDa

Image from Heffernan TP et al, J Biol Chem. 2007 Mar 30;282(13):9458-68. Epub 2007 Feb 2, Fig 7, DOI 10.1074/jbc.M611292200

FLAG-Dbf4 forms a complex with endogenous Cdc7 following DNA damage. HeLa cells were transiently transfected with a FLAG-Dbf4 expression vector. 48 hours later cells were treated with 8 J/m² UVC, 10 μm etoposide, or 2 mm HU. Cells were harvested 1 hour later and FLAG-Dbf4 immunoprecipitated with anti-FLAG-agarose (NS corresponds to immunoprecipitation with normal mouse IgG). The effect of DNA damage on Cdc7-Dbf4 complex formation was measured by Western immunoblot analysis using ab10535.

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