

Product datasheet

Anti-Cdc25C (phospho S216) antibody [E190] ab32051

RabMAb[®]

★★★★★ 2 Abreviews 8 References 画像数 4

製品の概要

製品名	Anti-Cdc25C (phospho S216) antibody [E190]
製品の詳細	Rabbit monoclonal [E190] to Cdc25C (phospho S216)
特異性	The antibody only detects Cdc25C phosphorylated on Serine 216.
アプリケーション	適用あり: WB, IP 適用なし: Flow Cyt, ICC/IF or IHC
種交差性	交差種: Human
免疫原	A synthetic phospho-peptide corresponding to residues surrounding Ser216 of human Cdc25C
ポジティブ・コントロール	HeLa cell lysates (intact untreated HeLa cells lysates and HeLa cells lysates treated with Alkaline Phosphatase (blocking phosphorylation)).
特記事項	This product is a recombinant rabbit monoclonal antibody. Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information. Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents

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	PBS 49%, Sodium azide 0.01%, Glycerol 50%, BSA 0.05%
精製度	IgG fraction
ポリ/モノ	モノクローナル
クローン名	E190
アイソタイプ	IgG

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab32051** in the following tested applications.

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

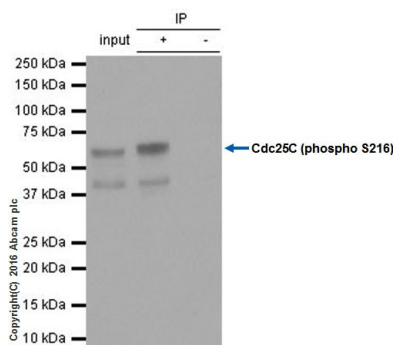
アプリケーション	Abreviews	特記事項
WB	★★★★★	1/1000. Detects a band of approximately 60 kDa (predicted molecular weight: 53 kDa).
IP		1/30.

追加情報 Is unsuitable for Flow Cyt, ICC/IF or IHC.

ターゲット情報

機能	Functions as a dosage-dependent inducer in mitotic control. It is a tyrosine protein phosphatase required for progression of the cell cycle. It directly dephosphorylates CDK1 and activate its kinase activity.
配列類似性	Belongs to the MPI phosphatase family. Contains 1 rhodanese domain.
発生段階	Expressed predominantly in G2 phase.
翻訳後修飾	Phosphorylated by CHK1 on Ser-216. This phosphorylation creates a binding site for 14-3-3 protein and inhibits the phosphatase. Phosphorylated by PLK4.
細胞内局在	Nucleus.

画像



Immunoprecipitation - Anti-Cdc25C (phospho S216) antibody [E190] (ab32051)

Cdc25C (phospho S216) was immunoprecipitated from 10µg HEK293 (human embryonic kidney) whole cell lysate with ab32051 at 1/60 dilution (2µg in 0.35mg lysates). Western blot was performed from the immunoprecipitate using ab32051 at 1/200 dilution (6 µg/ml). VeriBlot for IP (HRP) (ab131366), was used as the secondary antibody at 1/1000 dilution.

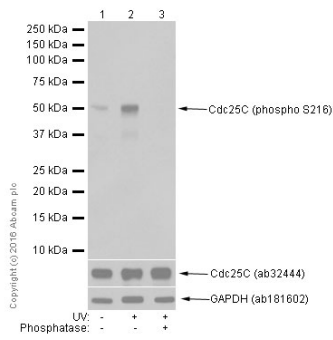
Lane 1 (Input): HEK293 (human embryonic kidney) treated with 60J/M2 UV, then 10%FBS for 60min whole cell lysate 10µg

Lane 2 (+): HEK293 (human embryonic kidney) treated with 60J/M2 UV, then 10%FBS for 60min whole cell lysate

Lane 3: Rabbit monoclonal IgG (ab172730) instead of ab32051 in HEK293 (human embryonic kidney) treated with 60J/M2 UV, then 10%FBS for 60min whole cell lysate

Exposure Time: 8 seconds

Blocking and diluting buffer and concentration: 5% NFDM/TBST.



Western blot - Anti-Cdc25C (phospho S216)
antibody [E190] (ab32051)

All lanes : Anti-Cdc25C (phospho S216)
antibody [E190] (ab32051) at 1/20000 dilution

Lane 1 : HEK-293 (Human epithelial cell line
from embryonic kidney) whole cell lysates

Lane 2 : HEK-293 (Human epithelial cell line
from embryonic kidney) treated with UV at
60J/m² for 2 h. Whole cell lysates

Lane 3 : HEK-293 (Human epithelial cell line
from embryonic kidney) treated with UV at
60J/m² for 2 h. Then the membrane was
incubated with phosphatase.

Lysates/proteins at 15 µg per lane.

Secondary

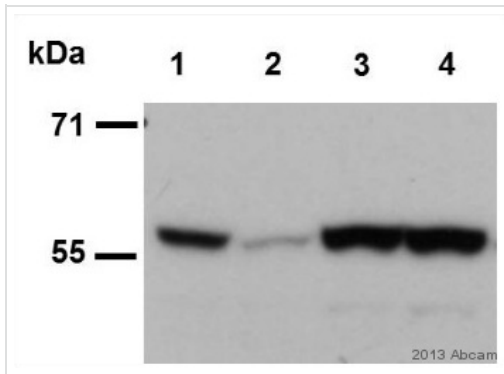
Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at
1/20000 dilution

Predicted band size : 53 kDa

Observed band size : 53 kDa

Exposure time : 30 seconds

Blocking and diluting buffer and
concentration 5% NFDM/TBST.



Western blot - Anti-Cdc25C (phospho S216)

antibody [E190] (ab32051)

This image is courtesy of an anonymous Abreview

All lanes : Anti-Cdc25C (phospho S216)
antibody [E190] (ab32051) at 1/1000 dilution

Lane 1 : IR treated HeLa cell lysate

Lane 2 : 10 Gy IR treated (0 minutes
recovery) HeLa cell lysate

Lane 3 : 10 Gy IR treated (30 minutes
recovery) HeLa cell lysate

Lane 4 : 10 Gy IR treated (60 minutes
recovery) HeLa cell lysate

Lysates/proteins at 22 µg per lane.

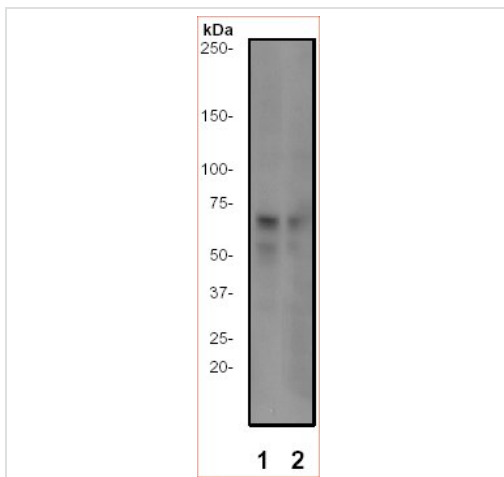
Developed using the ECL technique

Performed under reducing conditions.

Predicted band size : 53 kDa

Exposure time : 5 seconds

*This image is courtesy of an anonymous
Abreview*



Western blot - Anti-Cdc25C (phospho S216)

antibody [E190] (ab32051)

Lane 1 : Anti-Cdc25C (phospho S216)
antibody [E190] (ab32051) at 1/1000 dilution
(Untreated)

Lane 2 : Anti-Cdc25C (phospho S216)
antibody [E190] (ab32051) at 1/1000 dilution
(Treated with phosphatase)

Lane 1 : As above

Lane 2 : As above

Predicted band size : 53 kDa

Observed band size : 53,60 kDa

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