

Anti-Cdk1 + Cdk2 (phospho T14) antibody [EPR17499] ab183550

リコンビナント RabMAb[®]

1 References [画像数 7](#)

製品の概要

製品名	Anti-Cdk1 + Cdk2 (phospho T14) antibody [EPR17499]
製品の詳細	Rabbit monoclonal [EPR17499] to Cdk1 + Cdk2 (phospho T14)
由来種	Rabbit
アプリケーション	適用あり: WB, IHC-P, IP, Dot blot
種交差性	交差種: Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: HeLa whole cell lysate treated with 2mg/ml hydroxyurea for 24 hours. IHC-P: Human colon, Human colonic adenocarcinoma, Mouse spleen and Rat spleen tissues. IP: HeLa whole cell extract.
特記事項	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
バッファー	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル

クローン名 EPR17499
アイソタイプ IgG

アプリケーション

The Abpromise guarantee **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab183550の使用に適用され
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

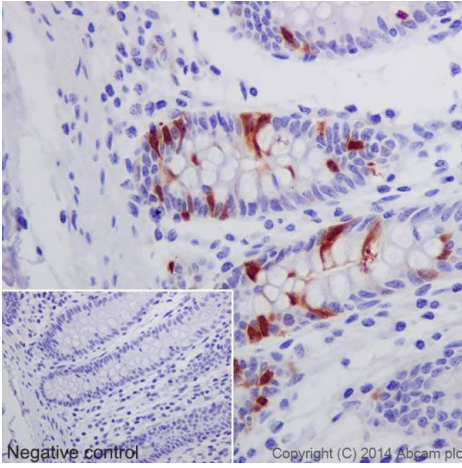
アプリケーション	Abreviews	特記事項
WB		1/1000. Detects a band of approximately 34 kDa (predicted molecular weight: 34 kDa).
IHC-P		1/250. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
IP		1/40.
Dot blot		1/1000.

ターゲット情報

関連性 Cdk2 is a member of the Ser/Thr protein kinase family. It is highly similar to the gene products of *S. cerevisiae* cdc28, and *S. pombe* cdc2. Cdk2 is closely related to cdc2 (cdk1) which has proved useful as a marker of proliferation. Cdk1 and Cdk2 are a catalytic subunits of the highly conserved protein kinase complex known as M-phase promoting factor (MPF), which is essential for G1/S and G2/M phase transitions of eukaryotic cell cycle.

細胞内局在 Cytoplasmic and Nuclear

画像

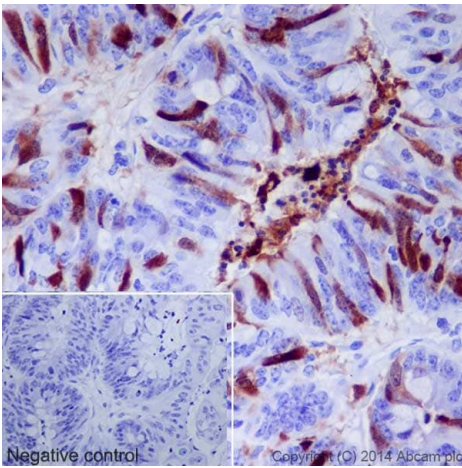


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cdk1 + Cdk2 (phospho T14) antibody [EPR17499] (ab183550)

Immunohistochemical analysis of paraffin-embedded Human colon tissue labeling Cdk1 + Cdk2 (phospho T14) with ab183550 at 1/250 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) secondary antibody at 1/500 dilution. Scattered nuclear and cytoplasmic staining on epithelial cells of Human colon tissue is observed. Counter stained with Hematoxylin.

Negative control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

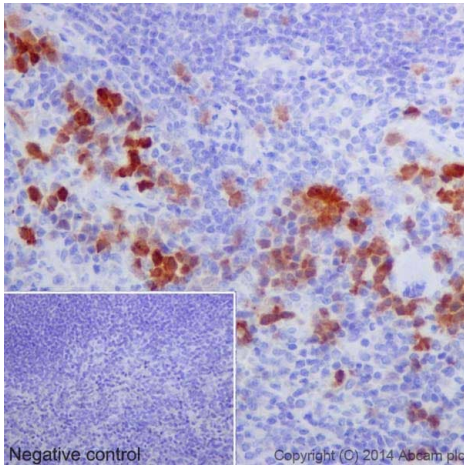


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cdk1 + Cdk2 (phospho T14) antibody [EPR17499] (ab183550)

Immunohistochemical analysis of paraffin-embedded Human colonic adenocarcinoma tissue labeling Cdk1 + Cdk2 (phospho T14) with ab183550 at 1/250 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) secondary antibody at 1/500 dilution. Nuclear and cytoplasmic staining on cancer cells of Human colonic adenocarcinoma tissue is observed. Counter stained with Hematoxylin.

Negative control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

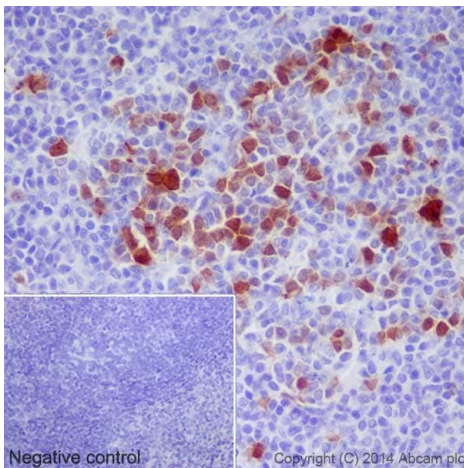


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cdk1 + Cdk2 (phospho T14) antibody [EPR17499] (ab183550)

Immunohistochemical analysis of paraffin-embedded mouse spleen tissue labeling Cdk1 + Cdk2 (phospho T14) with ab183550 at 1/250 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) secondary antibody at 1/500 dilution. Nuclear and cytoplasmic staining on lymphocytes of mouse spleen tissue is observed. Counter stained with Hematoxylin.

Negative control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

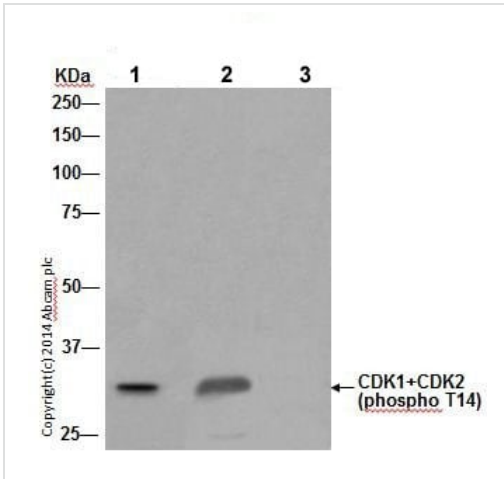


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cdk1 + Cdk2 (phospho T14) antibody [EPR17499] (ab183550)

Immunohistochemical analysis of paraffin-embedded rat spleen tissue labeling Cdk1 + Cdk2 (phospho T14) with ab183550 at 1/250 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) secondary antibody at 1/500 dilution. Nuclear and cytoplasmic staining on lymphocytes of rat spleen tissue is observed. Counter stained with Hematoxylin.

Negative control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunoprecipitation - Anti-Cdk1 + Cdk2 (phospho T14) antibody [EPR17499] (ab183550)

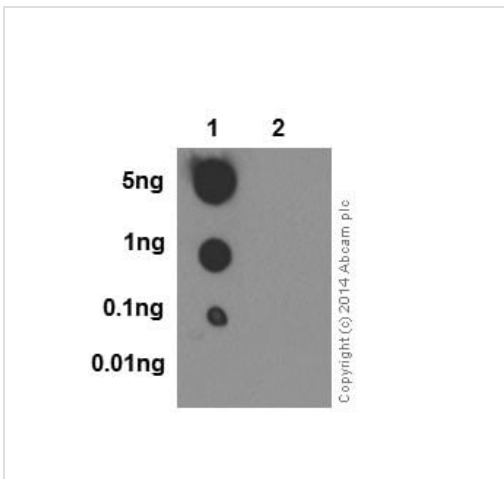
Cdk1 + Cdk2 (phospho T14) was immunoprecipitated from 1mg of HeLa (Human epithelial cells from cervix adenocarcinoma) whole cell extract with ab183550 at 1/40 dilution. Western blot was performed from the immunoprecipitate using ab183550 at 1/1000 dilution. Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/1000 dilution.

Lane 1 (Input): HeLa whole cell extract 10 µg (Input).

Lane 2: ab183550 IP in HeLa whole cell extract.

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of ab183550 in HeLa whole cell extract.

Blocking and dilution buffer and concentration: 5% NFDm/TBST.







Dot Blot - Anti-Cdk1 + Cdk2 (phospho T14) antibody [EPR17499] (ab183550)

Dot blot analysis of Cdk1 + Cdk2 (phospho T14) peptide (Lane 1), and non-phospho peptide (Lane 2), labeled using ab183550 at 1/1000 dilution, followed by Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated secondary antibody at 1/1000 dilution.

Blocking/Dilution buffer: 5% NFDm/TBST.

Exposure time = 3 minutes

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Anti-Cdk1 + Cdk2 (phospho T14) antibody [EPR17499] (ab183550)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.co.jp/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors