


Anti-CDK1 + CDK2 + CDK3 + CDK5 (phospho Y15) antibody [EPR2233Y] ab76146

リコンビナント **RabMAb**

★★★★★ **2 Abreviews** **27 References** 画像数 7

製品の概要

製品名	Anti-CDK1 + CDK2 + CDK3 + CDK5 (phospho Y15) antibody [EPR2233Y]
製品の詳細	Rabbit monoclonal [EPR2233Y] to CDK1 + CDK2 + CDK3 + CDK5 (phospho Y15)
由来種	Rabbit
特異性	This antibody detects Cdk1, 2, 3, 5 phosphorylated on tyrosine 15.
アプリケーション	適用あり: IHC-P, Dot blot, WB, IP 適用なし: ICC/IF
種交差性	交差種: Rat, Human, Recombinant fragment 交差が予測される動物種: Mouse 
免疫原	Synthetic peptide within Human CDK2 (phospho Y15). The exact sequence is proprietary.
ポジティブ・コントロール	WB: HeLa cell and mouse spleen tissue lysates; 293T (human embryonic kidney epithelial cell) transfected with GFP-tagged blank expression vector, whole cell lysate; 293T (human embryonic kidney epithelial cell) transfected with GFP-tagged CDK1/2/3/5 expression vector, whole cell lysate IHC-P: Human transitional cell carcinoma of bladder and rat colon tissues. IP: HeLa whole cell lysate (ab150035).
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 For more information see here . 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. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.

バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol, 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	EPR2233Y
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ab76146の使用に適用されます**
 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。

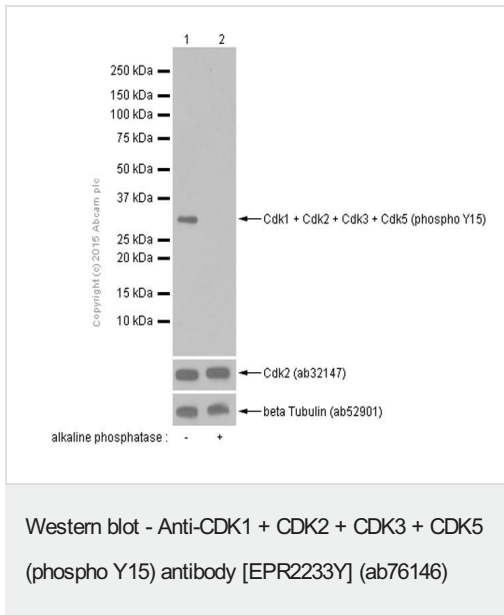
アプリケーション	Abreviews	特記事項
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. See <u>IHC antigen retrieval protocols</u> .
Dot blot		1/1000.
WB	★★★★★ (2)	1/10000. Detects a band of approximately 33 kDa (predicted molecular weight: 34 kDa). For unpurified use at 1/1000 - 1/10000. A band of 65 kDa is also observed in 293T cells overexpressing cdk1, 2, 3, 5 (phospho Y15)
IP		1/100. For unpurified use at 1/50.

追加情報 Is unsuitable for ICC/IF.

ターゲット情報

細胞内局在	Cdk1: Nucleus. Cdk5: Cytoplasm. Cell projection > lamellipodium. Cell projection > growth cone. In axonal growth cone with extension to the peripheral lamellipodia.
製品の状態	Cdk1: CDK1 can be located to the Nucleus, cytoplasm and Mithochondria. It's cytoplasmic during interphase and reversibly translocated from cytoplasm to the nucleus when phosphorylated before G2-M transition when associated with cyclin-B1. Accumulates in mitochondria in G2-arrested cells upon DNA-damage.

画像



All lanes : Anti-CDK1 + CDK2 + CDK3 + CDK5 (phospho Y15) antibody [EPR2233Y] (ab76146) at 1/50000 dilution

Lane 1 : Untreated HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate

Lane 2 : HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate, treated with alkaline phosphatase for 1 hour

Lysates/proteins at 15 µg per lane.

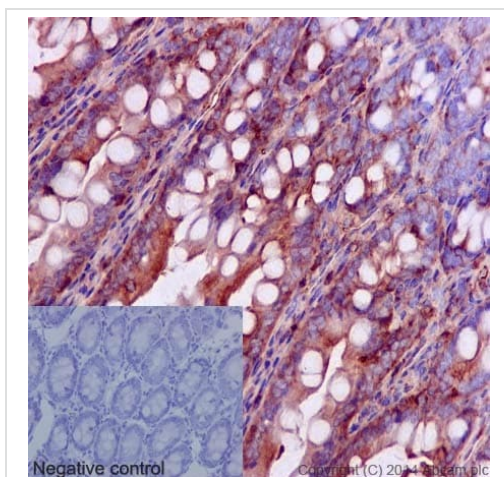
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 34 kDa

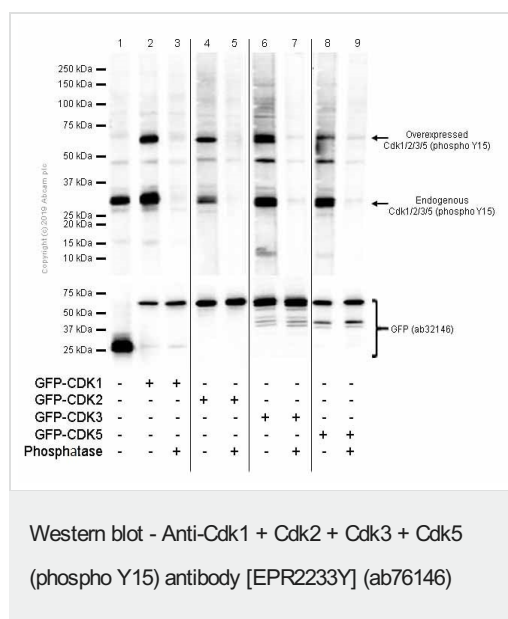
Exposure time: 10 seconds

Blocking/diluting buffer: 5% NFDM/TBST



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of rat colon tissue labelling Cdk1 + Cdk2 + Cdk3 + Cdk5 (phospho Y15) with purified ab76146 at 1/100. Heat mediated antigen retrieval was performed using Tris/EDTA buffer, pH 9. A prediluted HRP polymer-conjugated anti-rabbit IgG was used as the secondary antibody. Negative control using PBS instead of primary antibody. Counterstained with hematoxylin.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cdk1 + Cdk2 + Cdk3 + Cdk5 (phospho Y15) antibody [EPR2233Y] (ab76146)



All lanes : Anti-CDK1 + CDK2 + CDK3 + CDK5 (phospho Y15) antibody [EPR2233Y] (ab76146) at 1/1000 dilution

Lane 1 : 293T (human embryonic kidney epithelial cell) transfected with GFP-tagged blank expression vector, whole cell lysate

Lane 2 : 293T (human embryonic kidney epithelial cell) transfected with GFP-tagged CDK1 expression vector, whole cell lysate

Lane 3 : 293T (human embryonic kidney epithelial cell) transfected with GFP-tagged CDK1 expression vector, whole cell lysate. Then the membrane was incubated with phosphatase

Lane 4 : 293T (human embryonic kidney epithelial cell) transfected with GFP-tagged CDK2 expression vector, whole cell lysate

Lane 5 : 293T (human embryonic kidney epithelial cell) transfected with GFP-tagged CDK2 expression vector, whole cell lysate. Then the membrane was incubated with phosphatase

Lane 6 : 293T (human embryonic kidney epithelial cell) transfected with GFP-tagged CDK3 expression vector, whole cell lysate

Lane 7 : 293T (human embryonic kidney epithelial cell) transfected with GFP-tagged CDK3 expression vector, whole cell lysate. Then the membrane was incubated with phosphatase

Lane 8 : 293T (human embryonic kidney epithelial cell) transfected with GFP-tagged CDK5 expression vector, whole cell lysate

Lane 9 : 293T (human embryonic kidney epithelial cell) transfected with GFP-tagged CDK5 expression vector, whole cell lysate. Then the membrane was incubated with phosphatase

Lysates/proteins at 20 µg per lane.

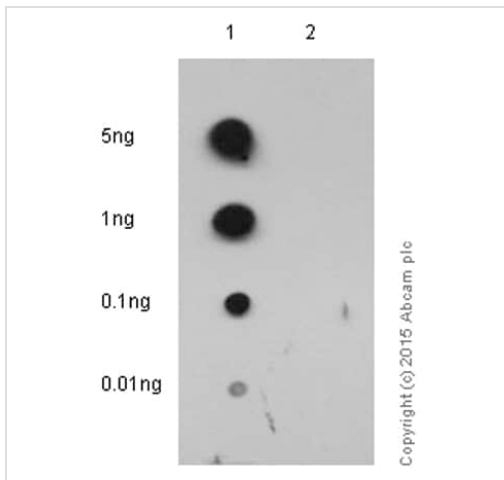
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 34 kDa

Observed band size: 34,65 kDa

ab76146 detects Cdk1, 2, 3, 5 phosphorylated on tyrosine 15.



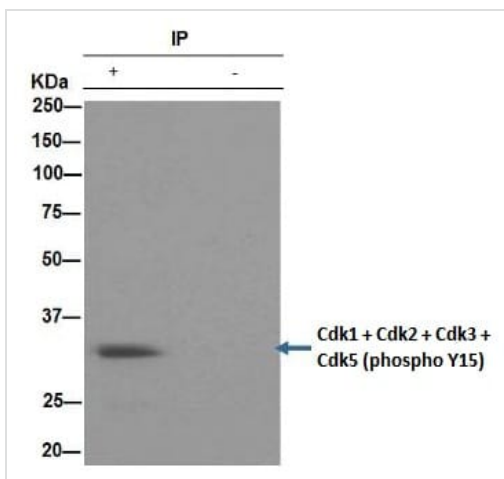
Dot Blot - Anti-Cdk1 + Cdk2 + Cdk3 + Cdk5 (phospho Y15) antibody [EPR2233Y] (ab76146)

Dot blot analysis of Cdk2 (pY15) peptide (Lane 1) and Cdk2 non-phospho peptide (Lane 2) labelling Cdk1 + Cdk2 + Cdk3 + Cdk5 (phospho Y15) with purified ab76146 at a dilution of 1/1000.

ab97051 (Peroxidase conjugated goat anti-rabbit IgG (H+L)) was used as the secondary antibody at a dilution of 1/100000.

Blocking and dilution buffer: 5% NFDM/TBST.

Exposure time: 3 minutes.

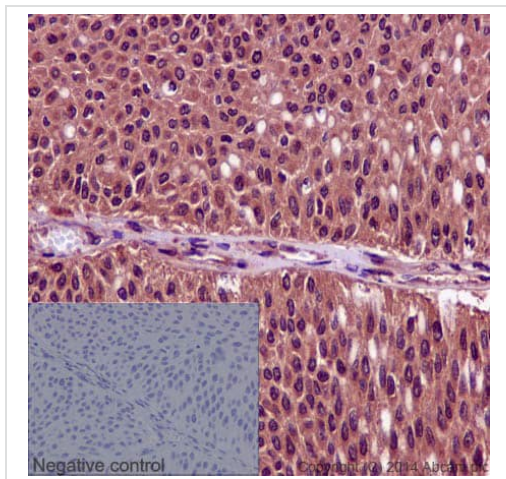


Immunoprecipitation - Anti-Cdk1 + Cdk2 + Cdk3 + Cdk5 (phospho Y15) antibody [EPR2233Y] (ab76146)

ab76146 (purified) at 1/100 immunoprecipitating Cdk1 + Cdk2 + Cdk3 + Cdk5 (phospho Y15) in HeLa cell lysates (Lane 1). Lane 2 - PBS. For western blotting, a HRP-conjugated anti-rabbit IgG, specific to the non-reduced form of IgG was used as the secondary antibody (1/1500).

Blocking buffer and concentration: 5% NFDM/TBST.

Diluting buffer and concentration: 5% NFDM /TBST.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human transitional cell carcinoma of bladder tissue labelling Cdk1 + Cdk2 + Cdk3 + Cdk5 (phospho Y15) with purified ab76146 at 1/100. Heat mediated antigen retrieval was performed using Tris/EDTA buffer, pH 9. A prediluted HRP polymer-conjugated anti-rabbit IgG was used as the secondary antibody. Negative control using PBS instead of primary antibody. Counterstained with hematoxylin.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cdk1 + Cdk2 + Cdk3 + Cdk5 (phospho Y15) antibody [EPR2233Y] (ab76146)

Why choose a recombinant antibody?



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Animal-free production

Anti-Cdk1 + Cdk2 + Cdk3 + Cdk5 (phospho Y15) antibody [EPR2233Y] (ab76146)

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