


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

 **RabMAb**

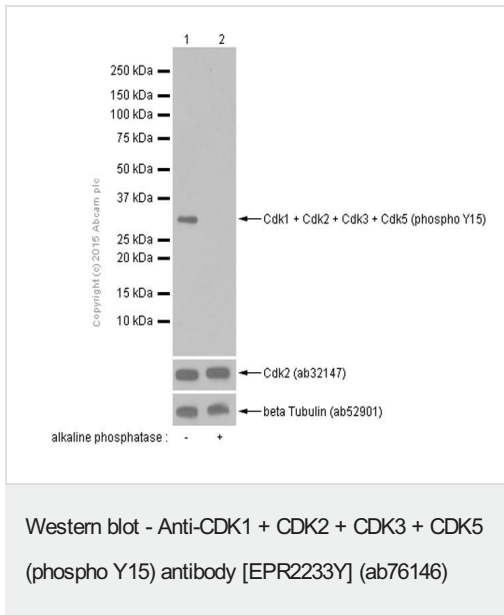
★★★★★ **2 Abreviews** **27 References** **7 图像**

概述

产品名称	Anti-CDK1 + CDK2 + CDK3 + CDK5 (phospho Y15)抗体[EPR2233Y]
描述	兔单克隆抗体[EPR2233Y] to CDK1 + CDK2 + CDK3 + CDK5 (phospho Y15)
宿主	Rabbit
特异性	This antibody detects Cdk1, 2, 3, 5 phosphorylated on tyrosine 15.
经测试应用	适用于: IHC-P, Dot blot, WB, IP 不适用于: ICC/IF
种属反应性	与反应: Rat, Human, Recombinant fragment 预测可用于: Mouse 
免疫原	Synthetic peptide within Human CDK2 (phospho Y15). The exact sequence is proprietary.
阳性对照	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).
常规说明	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 .

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.



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.

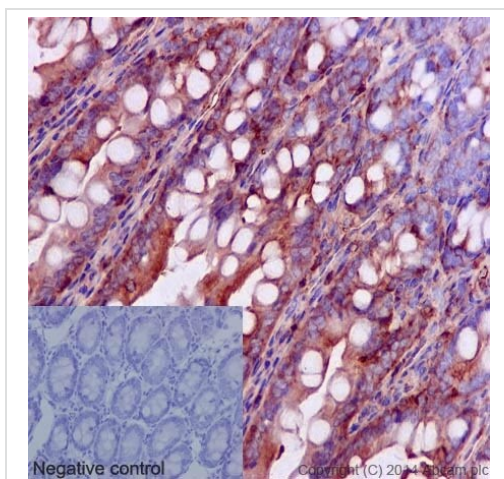
Secondary

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

Predicted band size: 34 kDa

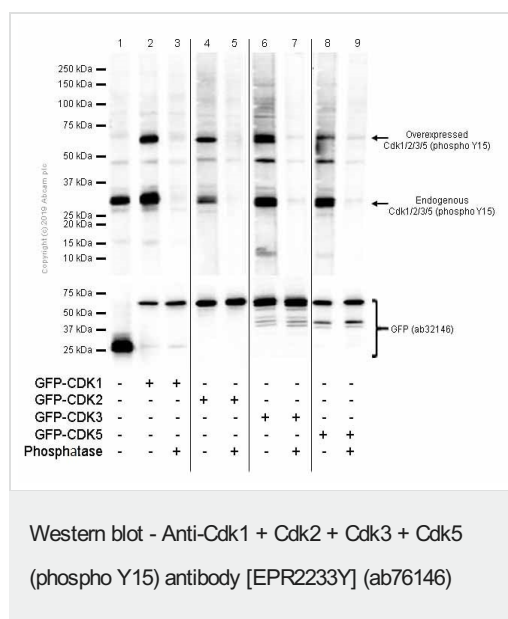
Exposure time: 10 seconds

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.

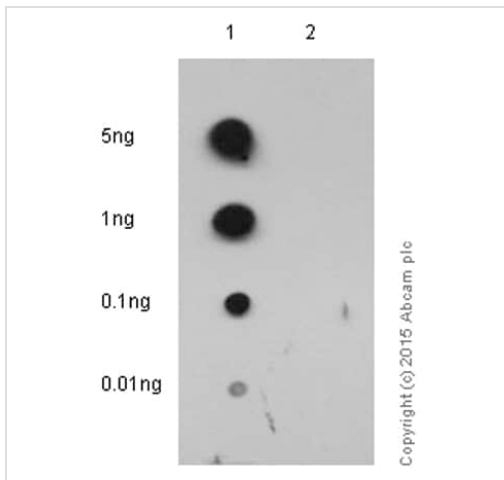
Secondary

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.



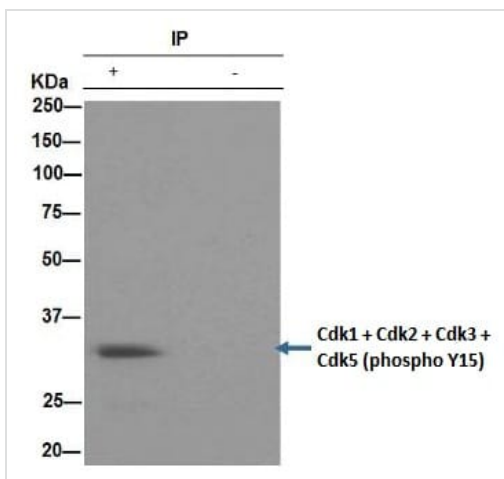
Dot Blot - Anti-Cdk1 + Cdk2 + Cdk3 + Cdk5 (phospho Y15) antibody [EPR2233Y] (ab76146)

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.

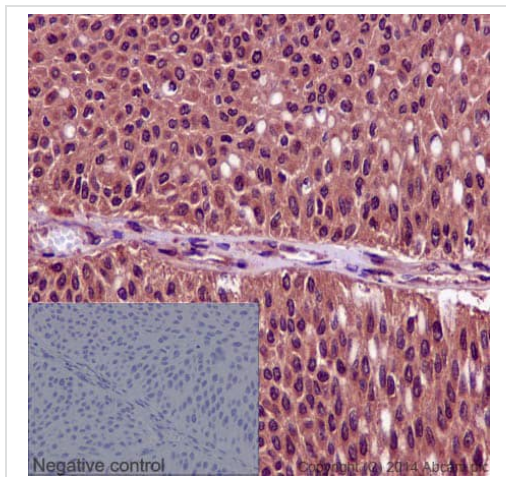


Immunoprecipitation - Anti-Cdk1 + Cdk2 + Cdk3 + Cdk5 (phospho Y15) antibody [EPR2233Y] (ab76146)

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?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

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

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.cn/abpromise> or contact our technical team.

Terms and conditions

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