

### Anti-Cdk9 antibody [EPR3119Y] ab76320

リコンビナント RabMAb

★★★★☆ **3 Abreviews** **14 References** 画像数 15

#### 製品の概要

製品名	Anti-Cdk9 antibody [EPR3119Y]
製品の詳細	Rabbit monoclonal [EPR3119Y] to Cdk9
由来種	Rabbit
アプリケーション	<b>適用あり:</b> WB, IP, IHC-P, ICC/IF, Flow Cyt (Intra)
種交差性	<b>交差種:</b> 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: HT-29, NIH/3T3, C6, HL-60, HeLa or 293 cell lysates. IHC-P: Human breast carcinoma, Human Bladder, mouse testis tissue. ICC/IF: HT-29 cells Flow Cyt (intra): HeLa cells IP: HeLa cells
特記事項	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"><li>- High batch-to-batch consistency and reproducibility</li><li>- Improved sensitivity and specificity</li><li>- Long-term security of supply</li><li>- Animal-free production</li></ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

#### 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	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 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	EPR3119Y
アイソタイプ	IgG

## アプリケーション

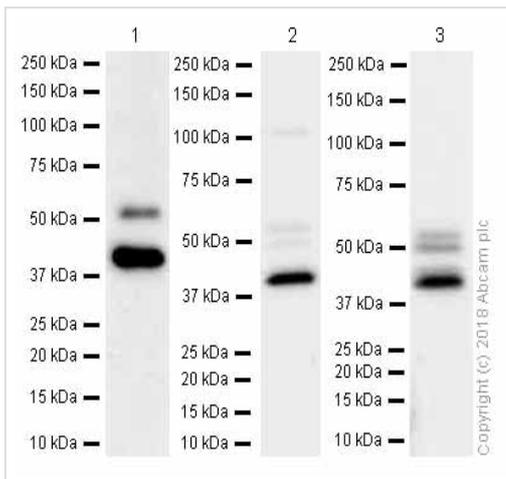
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab76320の使用に適用されます**  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		1/5000. Predicted molecular weight: 43 kDa. <b>For unpurified use as 1/1000 - 1/2000</b>
IP		1/20. <b>For unpurified use as 1/40</b>
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. See <b><u>IHC antigen retrieval protocols</u></b> .
ICC/IF	★★★★★ (1)	1/50. <b>For unpurified use as 1/100 - 1/250</b>
Flow Cyt (Intra)		1/60.

## ターゲット情報

機能	Member of the cyclin-dependent kinase pair (CDK9/cyclin-T) complex, also called positive transcription elongation factor b (P-TEFb), which facilitates the transition from abortive to production elongation by phosphorylating the CTD (C-terminal domain) of the large subunit of RNA polymerase II (RNAP II), SUPT5H and RDBP. The CDK9/cyclin-K complex has also a kinase activity toward CTD of RNAP II and can substitute for P-TEFb in vitro.
組織特異性	Ubiquitous.
配列類似性	Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. CDC2/CDKX subfamily. Contains 1 protein kinase domain.
細胞内局在	Nucleus.

## 画像



Western blot - Anti-Cdk9 antibody [EPR3119Y] (ab76320)

**All lanes** : Anti-Cdk9 antibody [EPR3119Y] (ab76320) at 1/5000 dilution (Purified)

**Lane 1** : HT-29 (Human colorectal adenocarcinoma epithelial cell) whole cell lysates

**Lane 2** : NIH/3T3 (Mouse embryonic fibroblast) whole cell lysates

**Lane 3** : C6 (Rat glial tumor glial cell) whole cell lysates

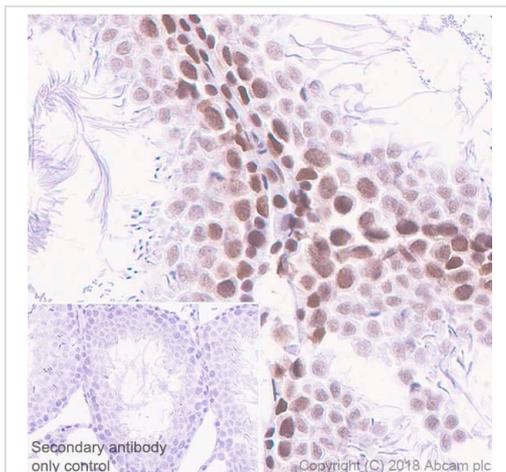
Lysates/proteins at 15 µg per lane.

#### Secondary

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

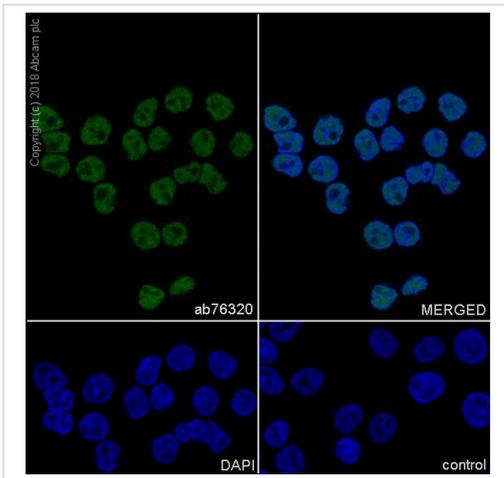
**Predicted band size:** 43 kDa

**Observed band size:** 43 kDa



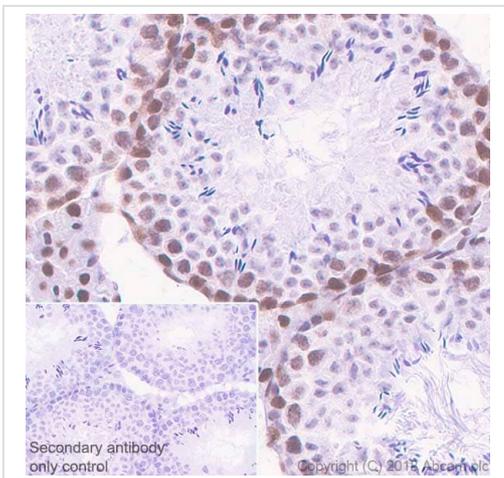
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cdk9 antibody [EPR3119Y] (ab76320)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Rat testis tissue sections labeling Cdk9 with Purified ab76320 at 1:100 dilution (1.08 µg/ml). Heat mediated antigen retrieval was performed using [ab93684](#) (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one step HRP Polymer (ready to use) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



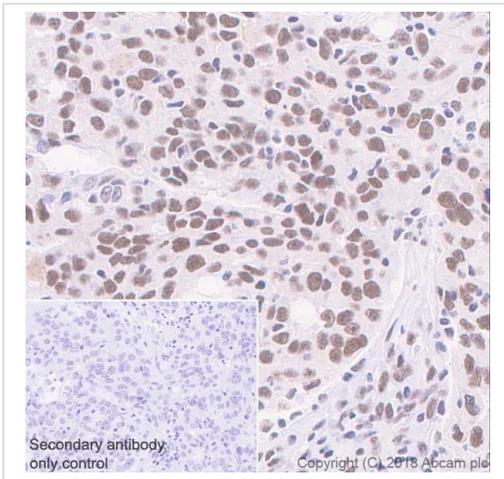
Immunocytochemistry/ Immunofluorescence - Anti-Cdk9 antibody [EPR3119Y] (ab76320)

Immunocytochemistry/ Immunofluorescence analysis of HT-29 (Human colorectal adenocarcinoma epithelial cell) cells labeling Cdk9 with Purified ab76320 at 1:50 dilution (2.2 µg/ml). Cells were fixed in 4% Paraformaldehyde and permeabilized with 0.1% tritonX-100. Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1:1000 (2 µg/ml) dilution. DAPI nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



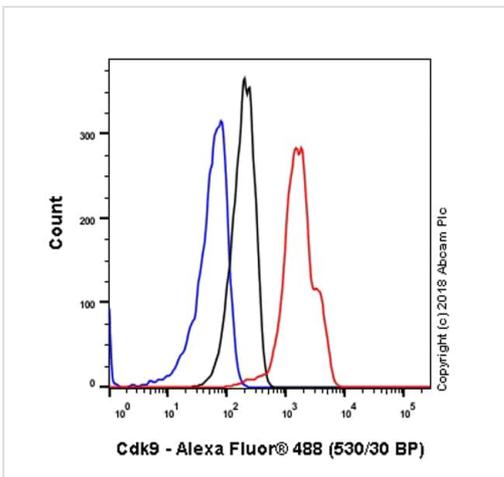
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cdk9 antibody [EPR3119Y] (ab76320)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Mouse testis tissue sections labeling Cdk9 with Purified ab76320 at 1:100 dilution (1.08 µg/ml). Heat mediated antigen retrieval was performed using **ab93684** (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one step HRP Polymer (ready to use) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



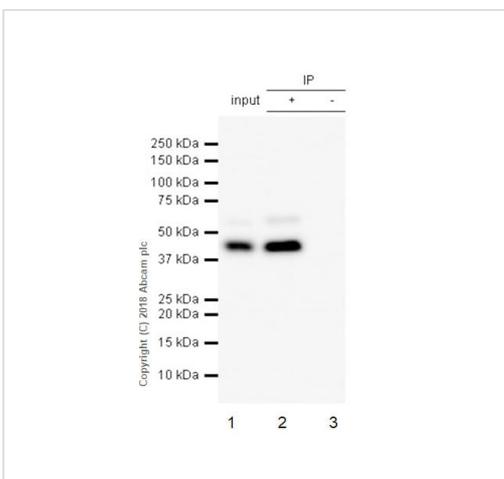
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cdk9 antibody [EPR3119Y] (ab76320)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human bladder carcinoma tissue sections labeling Cdk9 with Purified ab76320 at 1:100 dilution (1.08 µg/ml). Heat mediated antigen retrieval was performed using **ab93684** (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one step HRP Polymer (ready to use) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



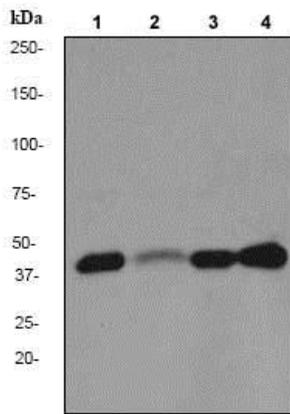
Flow Cytometry (Intracellular) - Anti-Cdk9 antibody [EPR3119Y] (ab76320)

Intracellular Flow Cytometry analysis of HeLa (Human cervix adenocarcinoma epithelial cell) cells labeling Cdk9 with Purified ab76320 at 1/60 dilution (10 µg/ml) (red). Cells were fixed with 4% Paraformaldehyde. A Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) secondary antibody was used at 1/2000. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cell without incubation with primary antibody and secondary antibody (Blue).



Immunoprecipitation - Anti-Cdk9 antibody [EPR3119Y] (ab76320)

ab76320 (purified) at 1:20 dilution (0.5µg) immunoprecipitating Cdk9 in HeLa whole cell lysate. Lane 1 (input): HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate 10µg. Lane 2 (+): ab76320 & HeLa whole cell lysate. Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of ab76320 in HeLa whole cell lysate. For western blotting, VeriBlot for IP Detection Reagent (HRP) (**ab131366**) was used for detection at 1:1000 dilution. Blocking and diluting buffer: 5% NFD/DM/TBST.



Western blot - Anti-Cdk9 antibody [EPR3119Y] (ab76320)

**All lanes :** Anti-Cdk9 antibody [EPR3119Y] (ab76320) at 1/2000 dilution (Unpurified)

**Lane 1 :** HT-29 cell lysate

**Lane 2 :** HL-60 cell lysate

**Lane 3 :** HeLa cell lysate

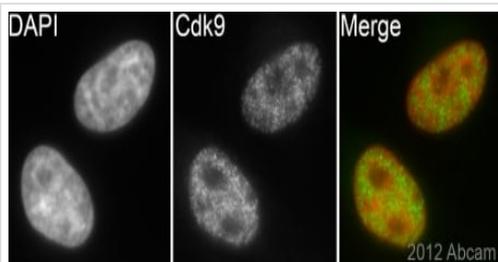
**Lane 4 :** 293 cell lysate

Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes :** Goat anti-rabbit HRP at 1/1000 dilution

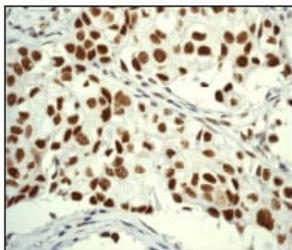
**Predicted band size:** 43 kDa



Immunocytochemistry/ Immunofluorescence - Anti-Cdk9 antibody [EPR3119Y] (ab76320)

Image courtesy of an Abreview submitted by Dr. Kirk McManus, Univ. of Manitoba/Cancer Care MCB, Canada

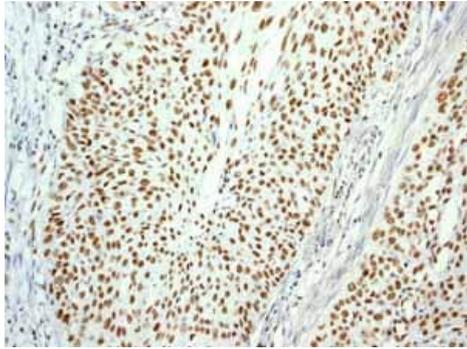
Unpurified ab76320 (1/200) staining Cdk9 in HeLa cells (green). Cells were fixed in paraformaldehyde, permeabilised in 0.5% Triton X100/ PBS and counterstained with DAPI in order to highlight the nucleus (red). For further experimental details please refer to Abreview.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cdk9 antibody [EPR3119Y] (ab76320)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma using unpurified ab76320 at 1/100 dilution.

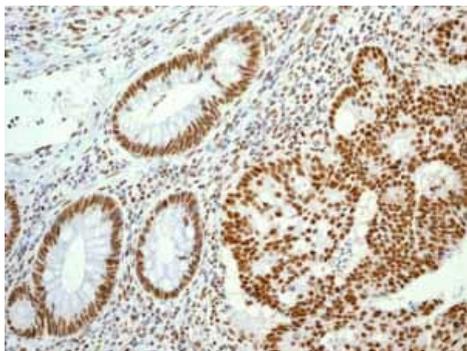
Heat mediated antigen retrieval was performed before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cdk9 antibody [EPR3119Y] (ab76320)

Unpurified ab76320 showing positive staining in Cervical carcinoma tissue.

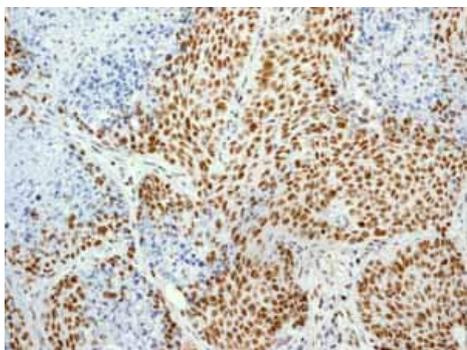
Heat mediated antigen retrieval was performed before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cdk9 antibody [EPR3119Y] (ab76320)

Unpurified ab76320 showing positive staining in Colonic adenocarcinoma tissue.

Heat mediated antigen retrieval was performed before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cdk9 antibody [EPR3119Y] (ab76320)

Unpurified ab76320 showing positive staining in Lung adenocarcinoma tissue.

Heat mediated antigen retrieval was performed before commencing with IHC staining protocol.



Unpurified ab76320 showing positive staining in Normal tonsil tissue.

Heat mediated antigen retrieval was performed before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cdk9 antibody [EPR3119Y] (ab76320)

### 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-Cdk9 antibody [EPR3119Y] (ab76320)

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