

リコンビナント RabMAb®

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

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	This product is a recombinant monoclonal antibody, which offers several advantages including: <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> For more information <b><a href="#">see here</a></b> .  Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <b><a href="#">RabMAb® patents</a></b> .

## 製品特性

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 <u><b>IHC antigen retrieval protocols</b></u> .
ICC/IF	★★★★★ (1)	1/50. <b>For unpurified use as 1/100 - 1/250</b>
Flow Cyt (Intra)		1/60.

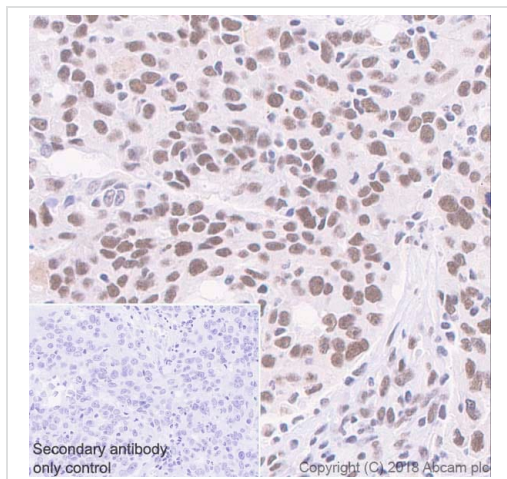
## ターゲット情報

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

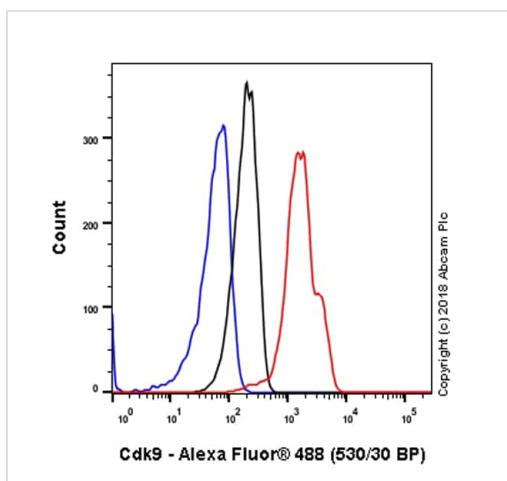






Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cdk9 antibody  
[EPR3119Y] (ab76320)

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.



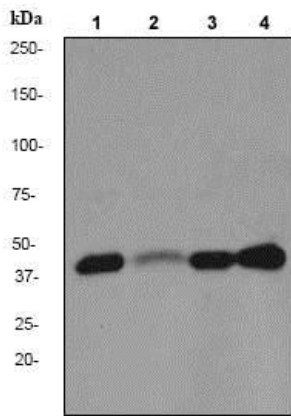
Flow Cytometry (Intracellular) - Anti-Cdk9 antibody  
[EPR3119Y] (ab76320)

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% NFDm/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

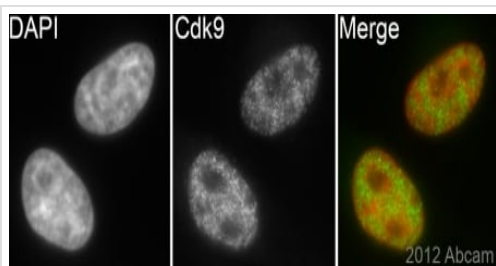
**Lane 4 :** 293 cell lysate

Lysates/proteins at 10 µg per lane.

## Secondary

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

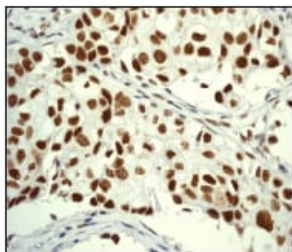
**Predicted band size:** 43 kDa



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 Normal tonsil tissue.

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

### 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)

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

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