

# Anti-CDK5RAP3 antibody [EPR11294(B)] ab157203

リコンビナント **RabMAb**

**6 References**    画像数 10

### 製品の概要

製品名	Anti-CDK5RAP3 antibody [EPR11294(B)]
製品の詳細	Rabbit monoclonal [EPR11294(B)] to CDK5RAP3
由来種	Rabbit
特異性	The mouse recommendation is based on the WB results. We do not guarantee IHC-P for mouse.
アプリケーション	<b>適用あり:</b> WB, IP, IHC-P, Flow Cyt (Intra) <b>適用なし:</b> ICC/IF
種交差性	<b>交差種:</b> Mouse, Human
免疫原	Synthetic peptide within Human CDK5RAP3 aa 450 to the C-terminus. The exact sequence is proprietary. Database link: <a href="#">Q96JB5</a>
ポジティブ・コントロール	WB: Jurkat, HeLa, A431, CTLL-2, EL4, H9 and 293T cell lysates. IHC-P: Human pancreas and stomach tissue. Flow Cyt (intra): HEK-293T cells. IP: CDK5RAP3 IP in HEK-293T 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 <a href="#">see here</a> . 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> . Rat: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.

### 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	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	EPR11294(B)
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ab157203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。

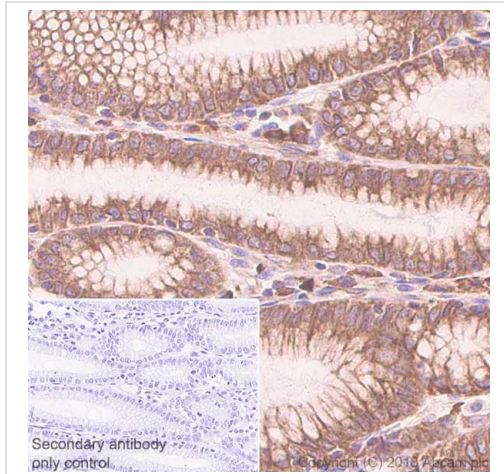
アプリケーション	Abreviews	特記事項
WB		1/1000 - 1/10000. Predicted molecular weight: 57 kDa.
IP		1/10 - 1/100.
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. See <b><u>IHC antigen retrieval protocols</u></b> .  The mouse recommendation is based on the WB results. We do not guarantee IHC-P for mouse.
Flow Cyt (Intra)		1/10 - 1/100. <b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

追加情報      Is unsuitable for ICC/IF.

ターゲット情報

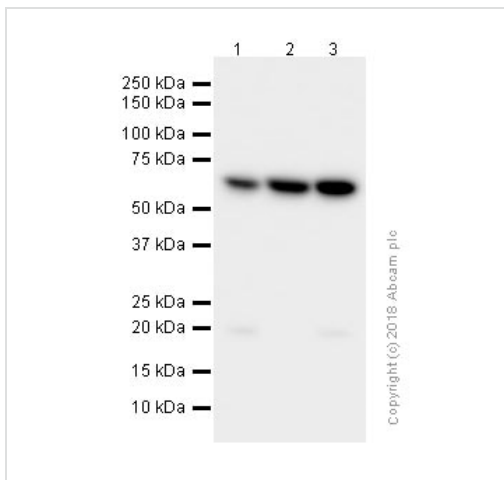
機能	Potential regulator of CDK5 activity. May be involved in cell proliferation. Regulates CDK5 activity via its interaction with CDK5R1.
組織特異性	Ubiquitous. Expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas. Isoform 3 is expressed in kidney, liver, skeletal muscle and placenta.
配列類似性	Belongs to the CDK5RAP3 family.
翻訳後修飾	Phosphorylated in vitro by CDK5.

画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CDK5RAP3 antibody [EPR11294(B)] (ab157203)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human stomach tissue sections labeling CDK5RAP3 with purified ab157203 at 1/50 dilution (2.8 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.



Western blot - Anti-CDK5RAP3 antibody [EPR11294(B)] (ab157203)

**All lanes :** Anti-CDK5RAP3 antibody [EPR11294(B)] (ab157203) at 1/2000 dilution (Purified)

**Lane 1 :** Jurkat (Human T cell leukemia T lymphocyte) whole cell lysates

**Lane 2 :** HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

**Lane 3 :** A431 (Human epidermoid carcinoma epithelial cell) whole cell lysates

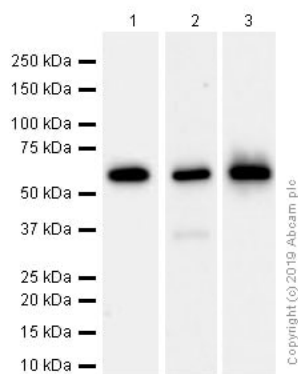
Lysates/proteins at 20 µg per lane.

#### Secondary

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

**Predicted band size:** 57 kDa

**Observed band size:** 57 kDa



Western blot - Anti-CDK5RAP3 antibody  
[EPR11294(B)] (ab157203)

**All lanes :** Anti-CDK5RAP3 antibody [EPR11294(B)] (ab157203)  
at 1/1000 dilution (Purified)

**Lane 1 :** CTLL-2 (Mouse T lymphocyte) whole cell lysates

**Lane 2 :** EL4 (Mouse lymphoma T lymphocyte) whole cell lysates

**Lane 3 :** H9 (Human lymphoma T lymphocyte) whole cell lysates

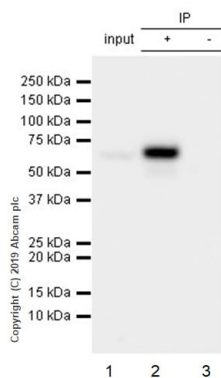
Lysates/proteins at 20 µg per lane.

### Secondary

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

**Predicted band size:** 57 kDa

**Observed band size:** 57 kDa



Immunoprecipitation - Anti-CDK5RAP3 antibody  
[EPR11294(B)] (ab157203)

ab157203 (purified) at 1/20 dilution (1ug) immunoprecipitating

CDK5RAP3 in HEK-293 whole cell lysate. HEK-293 (Human  
embryonic kidney epithelial cell) whole cell lysate 10ug

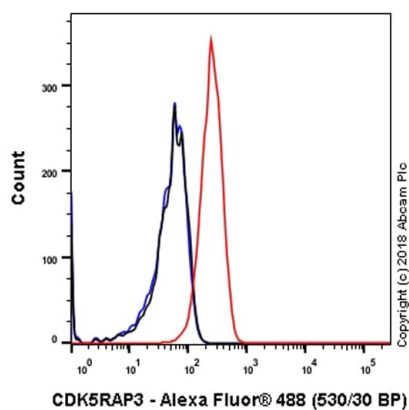
Lane 2 (+): ab157203 & HEK-293 whole cell lysate

Lane 3 (-): Rabbit monoclonal IgG ([ab172730](#)) instead of  
ab157203 in HEK-293 whole cell lysate

For western blotting, VeriBlot for IP secondary antibody (HRP)

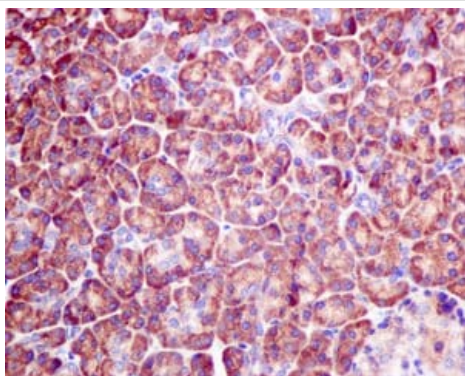
([ab131366](#)) was used at 1/1000 dilution.

Blocking and diluting buffer: 5% NFDM/TBST.



Flow Cytometry (Intracellular) - Anti-CDK5RAP3 antibody [EPR11294(B)] (ab157203)

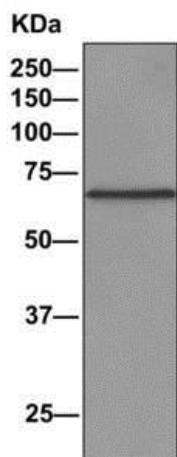
Intracellular Flow Cytometry analysis of HEK-293 (Human embryonic kidney epithelial cell) cells labeling CDK5RAP3 with purified ab157203 at 1/20 dilution (10µg/ml) (red). Cells were fixed with 4% Paraformaldehyde and permeabilised with 90% Methanol. A Goat anti rabbit IgG (Alexa Fluor® 488, [ab150077](#)) 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).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CDK5RAP3 antibody [EPR11294(B)] (ab157203)

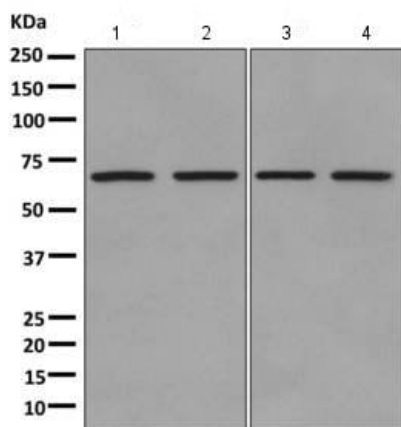
Immunohistochemical analysis of formalin-fixed, paraffin-embedded human pancreas tissue, labeling CDK5RAP3 using ab157203 (unpurified) at a 1/50 dilution.

Heat mediated antigen retrieval was performed with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunoprecipitation - Anti-CDK5RAP3 antibody  
[EPR11294(B)] (ab157203)

Western blot analysis of Immunoprecipitation pellet from HEK-293T (Human epithelial cell line from embryonic kidney transformed with large T antigen) cell lysate showing CDK5RAP3, using ab157203 (unpurified) at 1/10 dilution.



Western blot - Anti-CDK5RAP3 antibody  
[EPR11294(B)] (ab157203)

**All lanes :** Anti-CDK5RAP3 antibody [EPR11294(B)] (ab157203) at 1/1000 dilution (unpurified)

**Lane 1 :** Jurkat (Human T cell leukemia cell line from peripheral blood) cell lysate

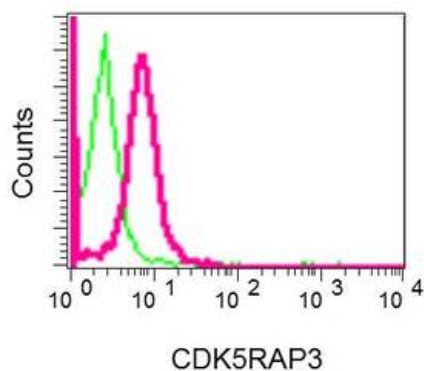
**Lane 2 :** HeLa (Human epithelial cell line from cervix adenocarcinoma) cell lysate

**Lane 3 :** A431 (Human epidermoid carcinoma cell line) cell lysate

**Lane 4 :** HEK-293T (Human epithelial cell line from embryonic kidney transformed with large T antigen) cell lysate

Lysates/proteins at 10 µg per lane.

**Predicted band size:** 57 kDa



Flow Cytometry (Intracellular) - Anti-CDK5RAP3 antibody [EPR11294(B)] (ab157203)

Intracellular Flow Cytometry analysis of permeabilized HEK-293T (Human epithelial cell line from embryonic kidney transformed with large T antigen) cells labeling CDK5RAP3 (red), using ab157203 (unpurified) at a 1/10 dilution, and negative control cells probed with a Rabbit IgG (green)

#### Why choose a recombinant antibody?



Anti-CDK5RAP3 antibody [EPR11294(B)] (ab157203)

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

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