

Anti-Cdk2 antibody [SP80] ab101682

KO 評価済 リコンビナント RabMAb

4 References 画像数 7

製品の概要

製品名	Anti-Cdk2 antibody [SP80]
製品の詳細	Rabbit monoclonal [SP80] to CDK2
由来種	Rabbit
特異性	Based on the immunogen sequence, we do not expect the antibody to cross-react with other CDK family members. No cross-reactivity testing has been performed.
アプリケーション	適用あり: WB, IHC-P
種交差性	交差種: Mouse, Rat, Human
免疫原	Synthetic peptide within Human Cdk2 aa 250 to the C-terminus (C terminal). The exact sequence is proprietary. Database link: P24941
ポジティブ・コントロール	IHC-P: Human tonsil, mouse and rat spleen
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 . This product is FOR RESEARCH USE ONLY. For commercial use, please contact partnerships@abcam.com.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C. Do Not Freeze.
バッファー	pH: 7.60 Preservative: 0.1% Sodium azide Constituents: PBS, 1% BSA
精製度	Protein A/G purified
特記事項 (精製)	Purified from TCS by protein A/G.

ポリ/モノ	モノクローナル
クローン名	SP80
アイソタイプ	IgG

アプリケーション

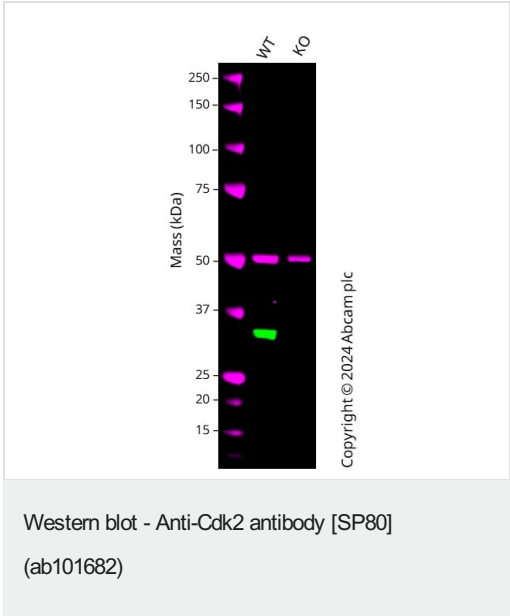
The Abpromise guarantee **Abpromise保証は、**次のテスト済みアプリケーションにおけるab101682の使用に適用されます
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		1/50. Predicted molecular weight: 34 kDa. for 1 hour at RT.
IHC-P		1/100. Incubate for 30 minutes at RT. Antigen retrieval is recommended: boil tissue section in 1mM EDTA, pH 8.0 for 10 min followed by cooling at RT for 20 min.

ターゲット情報

機能	Involved in the control of the cell cycle. Interacts with cyclins A, B1, B3, D, or E. Activity of CDK2 is maximal during S phase and G2.
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.

画像



All lanes : Anti-Cdk2 antibody [SP80] (ab101682) at 1/200 dilution

Lane 1 : Wild-type MCF7 cell lysate

Lane 2 : CDK2 knockout MCF7 cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

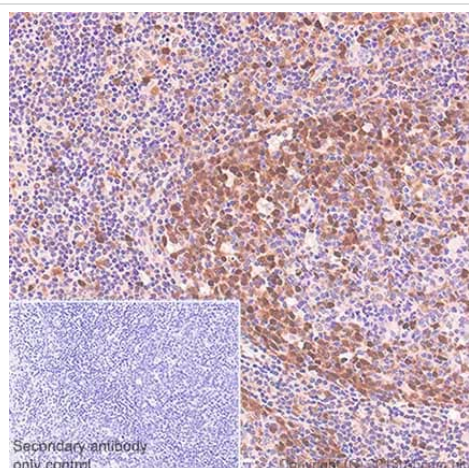
All lanes : Goat anti-Rabbit IgG H&L 800CW and Goat anti-Mouse IgG H&L 680RD at 1/20000 dilution

Predicted band size: 34 kDa

Observed band size: 34 kDa

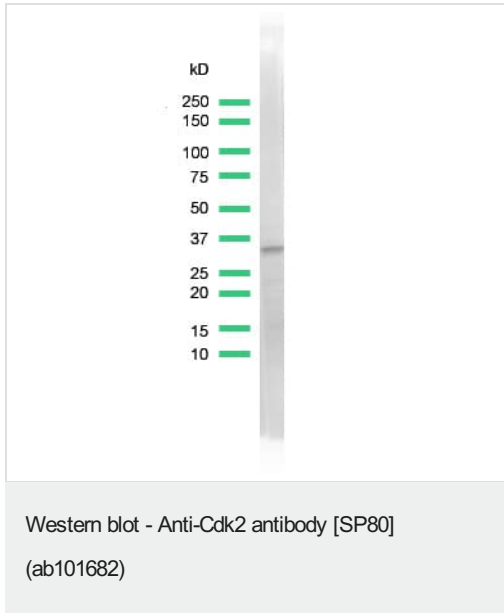
Western blot: Anti-CDK2 antibody [SP80] (ab101682) staining at

1/200 dilution, shown in green; Mouse anti-Alpha Tubulin [DM1A] ([ab7291](#)) loading control staining at 1/20000 dilution, shown in magenta. In Western blot, ab101682 was shown to bind specifically to CDK2. A band was observed at 34 kDa in wild-type MCF7 cell lysates with no signal observed at this size in CDK2 knockout cell line [ab282628](#). To generate this image, wild-type and CDK2 knockout MCF7 cell lysates were analysed. First, samples were run on an SDS-PAGE gel then transferred onto a nitrocellulose membrane. Membranes were blocked in 3 % milk in TBS-0.1 % Tween® 20 (TBS-T) before incubation with primary antibodies overnight at 4 °C. Blots were washed four times in TBS-T, incubated with secondary antibodies for 1 h at room temperature, washed again four times then imaged. Secondary antibodies used were Goat anti-Rabbit IgG H&L 800CW and Goat anti-Mouse IgG H&L 680RD at 1/20000 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human tonsil tissue sections labeling Cdk2 with ab101682 at 1/50 dilution (2.20 µg/ml). Heat mediated antigen retrieval with Citrate buffer (pH 6.0, epitope retrieval solution 1) for 10mins. Goat Anti-Rabbit & Mouse IgG (HRP) was used as the secondary antibody. Hematoxylin was used as a counterstain. Mainly nuclear staining on the human tonsil, performed on a Leica Biosystems BOND™ RX instrument. The section was incubated with ab101682 for 30 mins at room temperature.

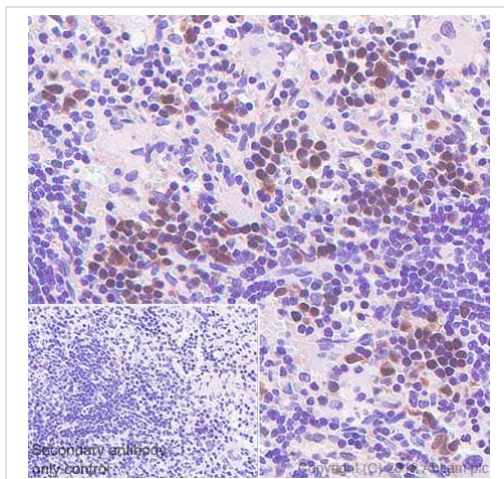
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cdk2 antibody [SP80] (ab101682)



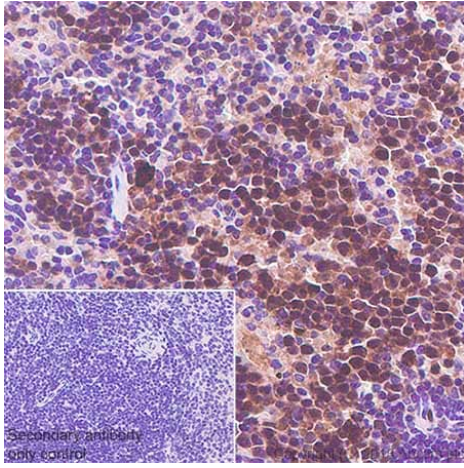
Anti-Cdk2 antibody [SP80] (ab101682) at 1/100 dilution + lysate prepared from HeLa cells

Predicted band size: 34 kDa

Observed band size: 33 kDa

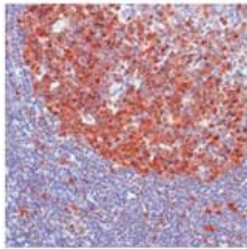


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Rat spleen tissue sections labeling Cdk2 with ab101682 at 1/50 dilution (2.20 µg/ml). Heat mediated antigen retrieval with Citrate buffer (pH 6.0, epitope retrieval solution 1) for 10mins. Goat Anti-Rabbit & Mouse IgG (HRP) was used as the secondary antibody. Hematoxylin was used as a counterstain. Mainly nuclear staining on the rat spleen, performed on a Leica Biosystems BOND™ RX instrument. The section was incubated with ab101682 for 30 mins at room temperature.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cdk2 antibody [SP80] (ab101682)

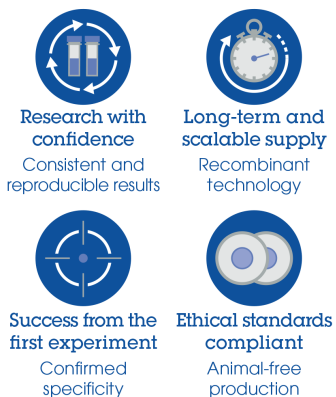
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Mouse spleen tissue sections labeling Cdk2 with ab101682 at 1/50 dilution (2.20 µg/ml). Heat mediated antigen retrieval with Citrate buffer (pH 6.0, epitope retrieval solution 1) for 10mins. Goat Anti-Rabbit & Mouse IgG (HRP) was used as the secondary antibody. Hematoxylin was used as a counterstain. Mainly nuclear staining on the mouse spleen, performed on a Leica Biosystems BOND™ RX instrument. The section was incubated with ab101682 for 30 mins at room temperature.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cdk2 antibody [SP80] (ab101682)

Immunohistochemical analysis of Cdk2 expression in formalin-fixed, paraffin-embedded Human tonsil using ab101682 at 1/100 dilution.

Why choose a recombinant antibody?



Anti-Cdk2 antibody [SP80] (ab101682)

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