

Anti-Cdk2 antibody [SP80] - BSA and Azide free ab240937

Recombinant RabMAb

[5 Images](#)

Overview

Product name	Anti-Cdk2 antibody [SP80] - BSA and Azide free
Description	Rabbit monoclonal [SP80] to CDK2 - BSA and Azide free
Host species	Rabbit
Specificity	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.
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	IHC-P: Human tonsil, mouse and rat spleen
General notes	ab240937 is the carrier-free version of ab101682 .

Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.

This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.

This product is a recombinant monoclonal antibody, which offers several advantages including:

- 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

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.20 Constituent: PBS
Carrier free	Yes
Purity	Protein A/G purified
Purification notes	Purified from TCS by protein A/G.
Clonality	Monoclonal
Clone number	SP80
Isotype	IgG

Applications

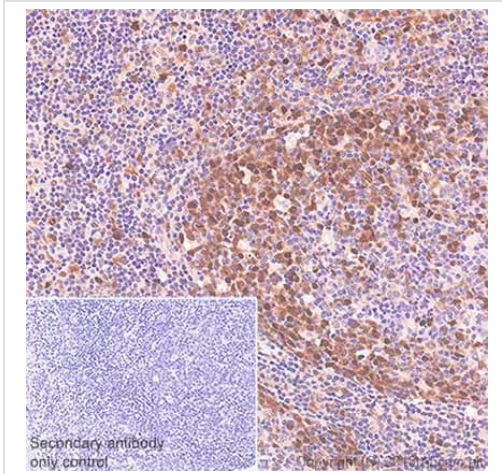
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab240937 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration. 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.
WB		Use at an assay dependent concentration. Predicted molecular weight: 34 kDa. Primary antibody incubation for 1 hour at room temperature.

Target

Function	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.
Sequence similarities	Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. CDC2/CDKX subfamily. Contains 1 protein kinase domain.

Images

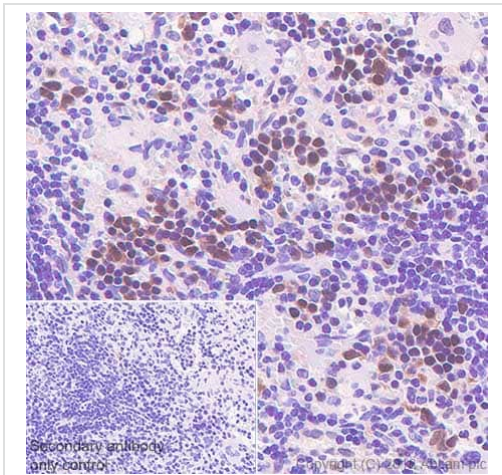


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cdk2 antibody [SP80] - BSA and Azide free (ab240937)

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.

This image was generated using **ab101682**, the same clone, but with a different buffer formulation.

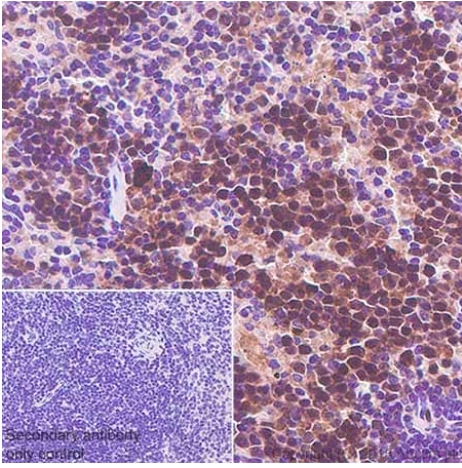


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cdk2 antibody [SP80] - BSA and Azide free (ab240937)

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.

This image was generated using **ab101682**, the same clone, but with a different buffer formulation.

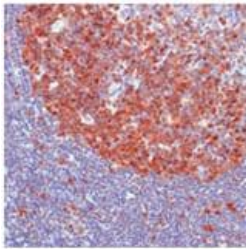


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cdk2 antibody [SP80] - BSA and Azide free (ab240937)

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.

This image was generated using **ab101682**, the same clone, but with a different buffer formulation.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cdk2 antibody [SP80] - BSA and Azide free (ab240937)

Immunohistochemical analysis of Cdk2 expression in formalin-fixed, paraffin-embedded Human tonsil using **ab101682** at 1/100 dilution. This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, and sodium azide (**ab101682**).

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-Cdk2 antibody [SP80] - BSA and Azide free (ab240937)

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

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