

# Product Datasheet

## CDC2/CDK1 Antibody - BSA Free NBP1-85729

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

### Publications: 6

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Updated 2/21/2025 v.20.1

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**NBP1-85729**

CDC2/CDK1 Antibody - BSA Free

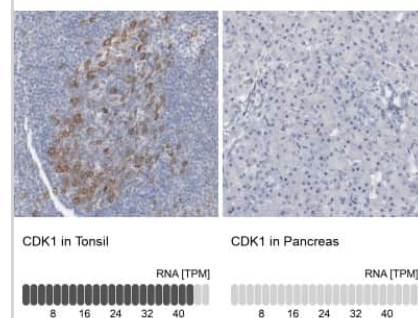
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Host	Rabbit
Gene ID	983
Gene Symbol	CDK1
Species	Human, Mouse, Rat
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: LGSARYSTPVDIWSIGTIFAELATKKPLFHGDSEIDQLFRIFRALGTPNNEVWPE VESLQDYKNTFPKWKPGSLASHVKNLDENGLDLLSKMLIYDPAKRISGKMALN HPYFNDLDLNQIKKM

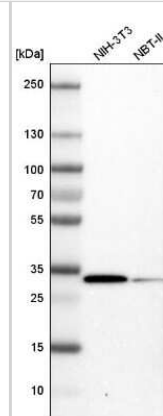
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: PFA/Triton X-100

**Images**

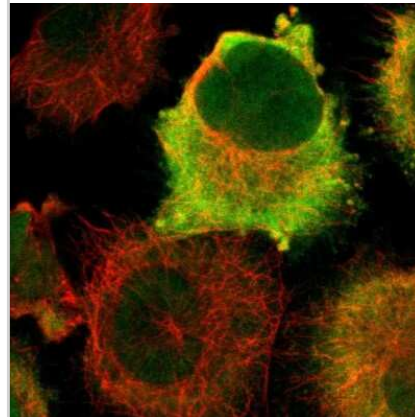
Immunohistochemistry-Paraffin: CDC2/CDK1 Antibody [NBP1-85729] - Staining in human tonsil and pancreas tissues . Corresponding CDK1 RNA-seq data are presented for the same tissues.



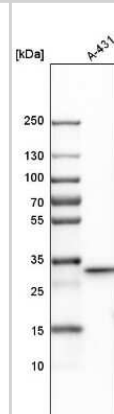
Western Blot: CDC2/CDK1 Antibody [NBP1-85729] - Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



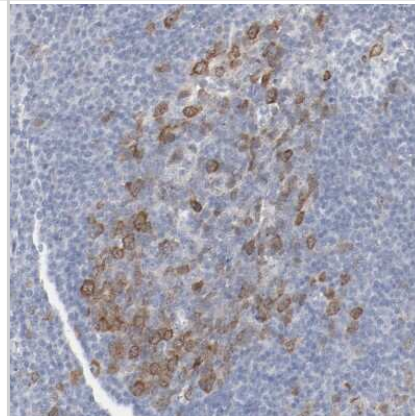
Immunocytochemistry/Immunofluorescence: CDC2/CDK1 Antibody [NBP1-85729] - Staining of human cell line U-251 MG shows localization to nucleus & cytosol. Antibody staining is shown in green.



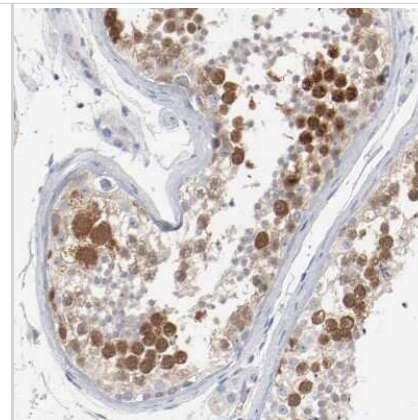
Western Blot: CDC2/CDK1 Antibody [NBP1-85729] - Analysis in human cell line A-431.



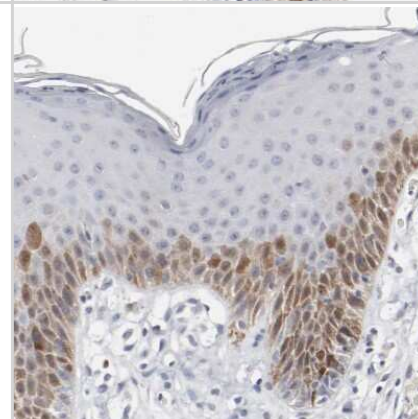
Immunohistochemistry-Paraffin: CDC2/CDK1 Antibody [NBP1-85729] - Staining of human tonsil shows moderate cytoplasmic positivity in germinal center cells.



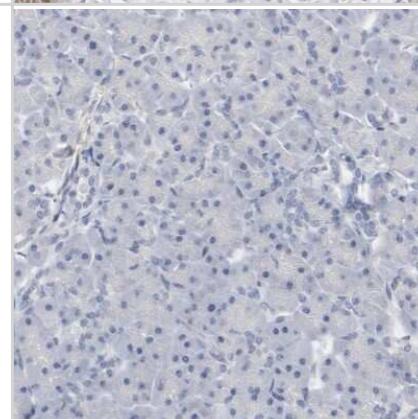
Immunohistochemistry-Paraffin: CDC2/CDK1 Antibody [NBP1-85729] - Staining of human testis shows moderate nuclear positivity in cells in seminiferous ducts.



Immunohistochemistry-Paraffin: CDC2/CDK1 Antibody [NBP1-85729] - Staining of human skin shows moderate cytoplasmic positivity in epidermal cells.



Immunohistochemistry-Paraffin: CDC2/CDK1 Antibody [NBP1-85729] - Staining of human pancreas shows no cytoplasmic positivity in exocrine glandular cells as expected.



## Publications

S Zhu, M Al-Mathkou, L Cao, S Khalafi, Z Chen, J Poveda, D Peng, H Lu, M Soutto, T Hu, OG McDonald, A Zaika, W El-Rifai CDK1 bridges NF-kappaB and beta-catenin signaling in response to H. pylori infection in gastric tumorigenesis *Cell Reports*, 2023-01-21;42(1):112005. 2023-01-21 [PMID: 36681899]

Kanhai A, Sánchez-López E, Kuipers T et al. Short salsalate administration affects cell proliferation, metabolism and inflammation in polycystic kidney disease *iScience* 2023-10-01 [PMID: 38026227] (WB, Mouse)

Qu J, Ke F, Liu Z et al. Uncovering the mechanisms of dandelion against triple-negative breast cancer using a combined network pharmacology, molecular pharmacology and metabolomics approach *Phytomedicine : international journal of phytotherapy and phytopharmacology* 2022-02-11 [PMID: 35183931] (WB, Mouse)

Grazvydas Lukinavicius, Darja Lavogina, Pierre Gonczy et al. Commercial Cdk1 antibodies recognize the centrosomal protein Cep152. *BioTechniques* [PMID: 24137814] (WB)

Sousa MM, Zub KA, Aas PA et al. An inverse switch in DNA base excision and strand break repair contributes to melphalan resistance in multiple myeloma cells. *PLoS One*. 2013-02-06 [PMID: 23405159]

Liu L, Zhao L, She H et al. Clinically relevant progestins regulate neurogenic and neuroprotective responses in vitro and in vivo. *Endocrinology* 2010-12-01 [PMID: 20943809] (WB, Rat)



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### Products Related to NBP1-85729

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NBP1-85729PEP	CDC2/CDK1 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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