

# 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)



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### Publications: 6

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**NBP1-85729**

CDC2/CDK1 Antibody - BSA Free

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

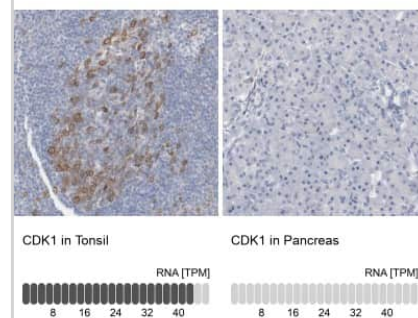
Product Description	
<b>Description</b>	Novus Biologicals Rabbit CDC2/CDK1 Antibody - BSA Free (NBP1-85729) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-CDC2/CDK1 Antibody: Cited in 6 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	983
<b>Gene Symbol</b>	CDK1
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: LGSARYSTPVDIWSIGTIFAELATKKPLFHGDSEIDQLFRIFRALGTPNNEVWPE VESLQDYKNTFPKWKPGSLASHVKNLDENGLDLLSKMLIYDPAKRISGKMALN HPYFNDLDNQIKKM

Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	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
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: PFA/Triton X-100

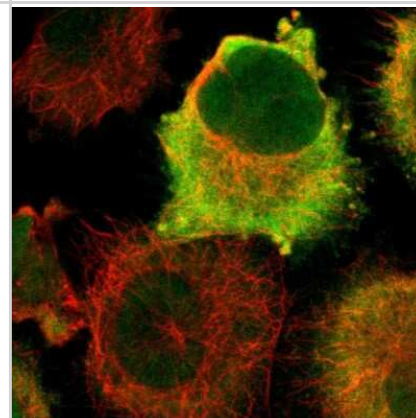


## Images

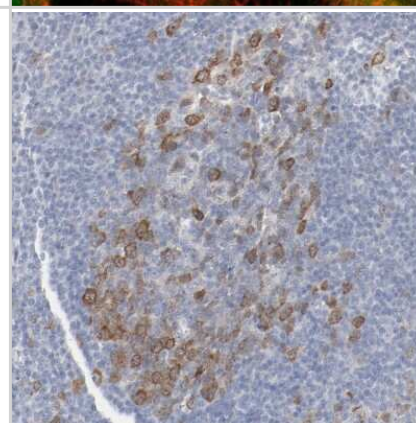
Immunohistochemistry-Paraffin: CDC2/CDK1 Antibody [NBP1-85729] - Staining in human tonsil and pancreas tissues . Corresponding CDK1 RNA-seq data are presented for the same tissues.



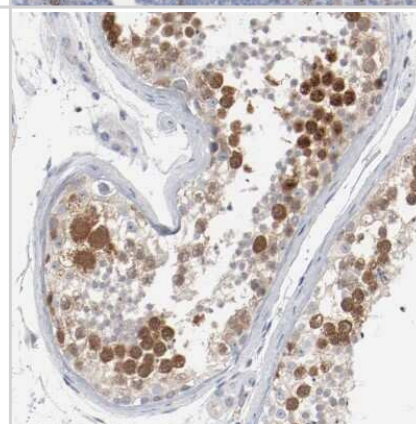
Immunocytochemistry/Immunofluorescence: CDC2/CDK1 Antibody [NBP1-85729] - Staining of human cell line U-251 MG shows localization to nucleus & cytosol. Antibody staining is shown in green.



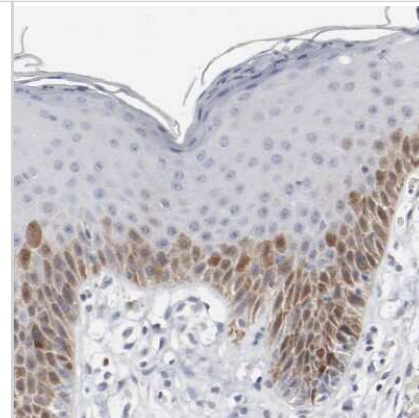
Immunohistochemistry-Paraffin: CDC2/CDK1 Antibody [NBP1-85729] - Staining of human tonsil shows moderate cytoplasmic positivity in germinal center cells.



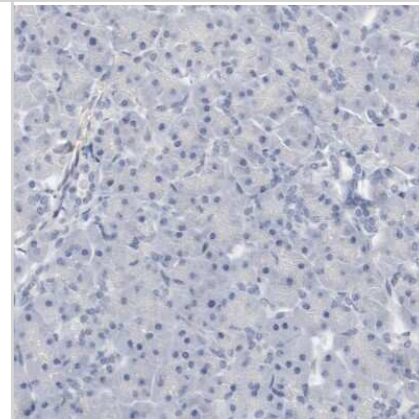
Immunohistochemistry-Paraffin: CDC2/CDK1 Antibody [NBP1-85729] - Staining of human testis shows moderate nuclear positivity in cells in seminiferous ducts.



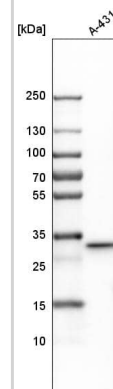
Immunohistochemistry-Paraffin: CDC2/CDK1 Antibody [NBP1-85729] - Staining of human skin shows moderate cytoplasmic positivity in epidermal cells.



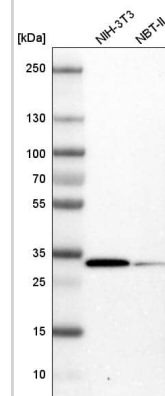
Immunohistochemistry-Paraffin: CDC2/CDK1 Antibody [NBP1-85729] - Staining of human pancreas shows no cytoplasmic positivity in exocrine glandular cells as expected.



Analysis in human cell line A-431.



Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



## 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] (Western Blot, Rat)

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
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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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