

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.

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Publications: 6

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Updated 9/9/2025 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

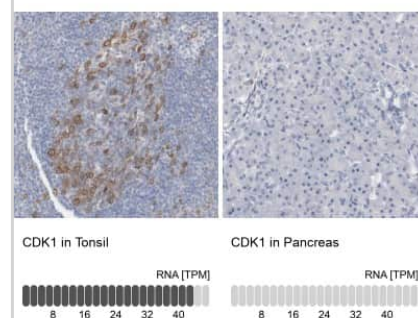
Product Description	
Description	Novus Biologicals Rabbit CDC2/CDK1 Antibody - BSA Free (NBP1-85729) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-CDC2/CDK1 Antibody: Cited in 6 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene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

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
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

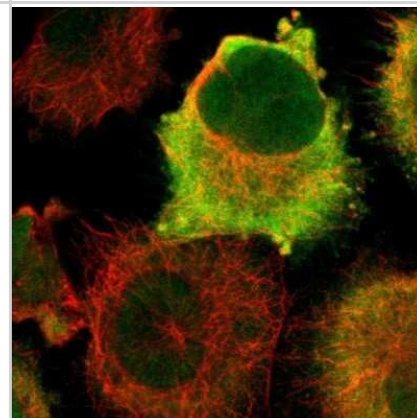


Images

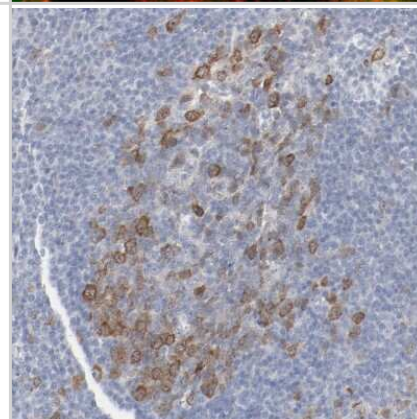
Immunohistochemistry-Paraffin: CDC2/CDK1 Antibody [NBP1-85729] - Staining in human tonsil and pancreas tissues . Corresponding CDK1 RNA-seq data are presented for the same tissues.



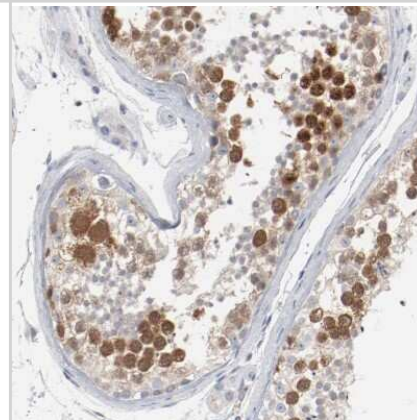
Immunocytochemistry/Immunofluorescence: CDC2/CDK1 Antibody [NBP1-85729] - Staining of human cell line U-251 MG shows localization to nucleus & cytosol. Antibody staining is shown in green.



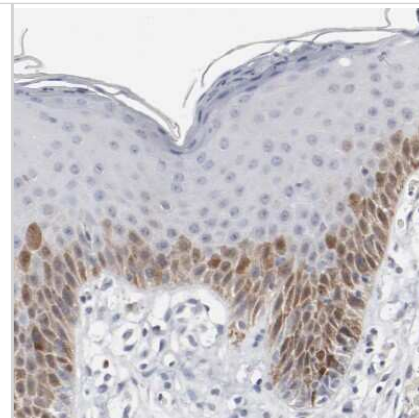
Immunohistochemistry-Paraffin: CDC2/CDK1 Antibody [NBP1-85729] - Staining of human tonsil shows moderate cytoplasmic positivity in germinal center cells.



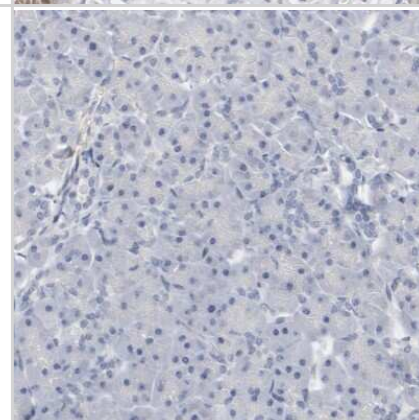
Immunohistochemistry-Paraffin: CDC2/CDK1 Antibody [NBP1-85729] - Staining of human testis shows moderate nuclear positivity in cells in seminiferous ducts.



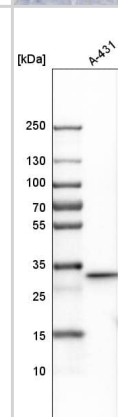
Immunohistochemistry-Paraffin: CDC2/CDK1 Antibody [NBP1-85729] - Staining of human skin shows moderate cytoplasmic positivity in epidermal cells.



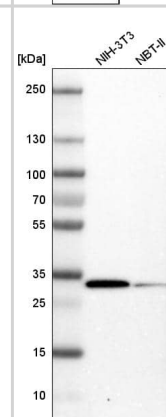
Immunohistochemistry-Paraffin: CDC2/CDK1 Antibody [NBP1-85729] - Staining of human pancreas shows no cytoplasmic positivity in exocrine glandular cells as expected.



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

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

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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