

# Product Datasheet

## CDK4 Antibody - BSA Free

### NBP1-31308

Unit Size: 100 ul

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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#### Publications: 7

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**NBP1-31308**

CDK4 Antibody - BSA Free

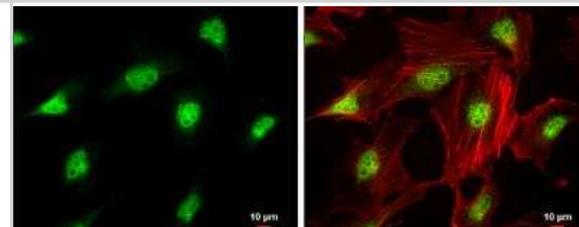
Product Information	
Unit Size	100 ul
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS, 20% Glycerol
Target Molecular Weight	34 kDa

Product Description	
Description	Novus Biologicals Rabbit CDK4 Antibody - BSA Free (NBP1-31308) is a polyclonal antibody validated for use in IHC, WB, Flow, ICC/IF and Simple Western. Anti-CDK4 Antibody: Cited in 7 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	1019
Gene Symbol	CDK4
Species	Human, Mouse, Rat, Bovine
Reactivity Notes	Feline reactivity reported in scientific literature (PMID:27830988).
Immunogen	Recombinant protein encompassing a sequence within the center region of human CDK4. The exact sequence is proprietary.

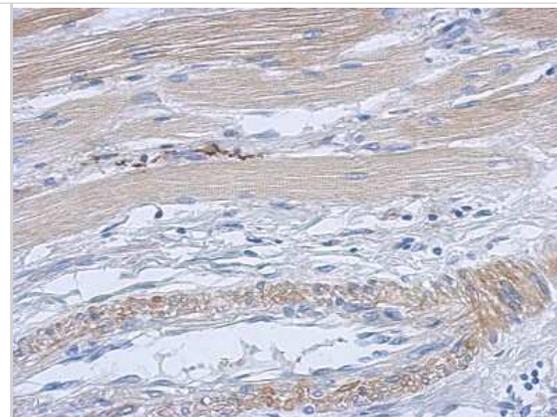
Product Application Details	
Applications	Western Blot, Simple Western, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500-1:3000, Simple Western 1:50, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000
Application Notes	See <a href="#">Simple Western Antibody Database</a> for Simple Western validation: antibody dilution of 1:50

**Images**

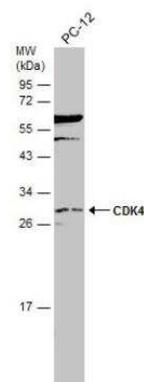
Immunocytochemistry/Immunofluorescence: CDK4 Antibody [NBP1-31308] - HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: CDK4 protein stained by CDK4 antibody diluted at 1:500. Red: phalloidin, a cytoskeleton marker, diluted at 1:200. Scale bar = 10 um.



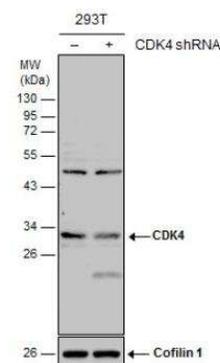
Immunohistochemistry-Paraffin: CDK4 Antibody [NBP1-31308] - Human gastric cancer, using CDK4 antibody at 1:500 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



Western Blot: CDK4 Antibody [NBP1-31308] - Whole cell extract (30 ug) was separated by 12% SDS-PAGE, and the membrane was blotted with CDK4 antibody diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



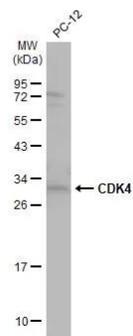
Western Blot: CDK4 Antibody [NBP1-31308] - Non-transfected (-) and transfected (+) 293T whole cell extracts (30 ug) were separated by 12% SDS-PAGE, and the membrane was blotted with CDK4 antibody. HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



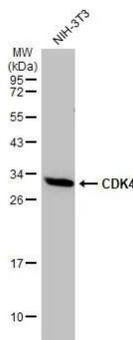
Immunocytochemistry/Immunofluorescence: CDK4 Antibody [NBP1-31308] - MCF7 cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: CDK4 protein stained by CDK4 antibody diluted at 1:1000.



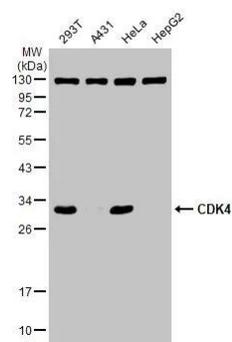
Western Blot: CDK4 Antibody [NBP1-31308] - Whole cell extract (30 ug) was separated by 12% SDS-PAGE, and the membrane was blotted with CDK4 antibody (NBP1-31308) diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Western Blot: CDK4 Antibody [NBP1-31308] - Whole cell extract (30 ug) was separated by 12% SDS-PAGE, and the membrane was blotted with CDK4 antibody (NBP1-31308) diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Western Blot: CDK4 Antibody [NBP1-31308] - Various whole cell extracts (30 ug) were separated by 12% SDS-PAGE, and the membrane was blotted with CDK4 antibody (NBP1-31308) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



## Publications

Liu B, Fu C, Cao J Et al. Proliferation of bovine endometrial epithelial cells is promoted by prostaglandin E2-PTGER2 signaling through cell cycle regulation Prostaglandins, Leukotrienes and Essential Fatty Acids 2021-11-01 [PMID: 34740034] (WB, Bovine)

Chen BR, Wang Y, Tubbs A et al. LIN37-DREAM prevents DNA end resection and homologous recombination at DNA double-strand breaks in quiescent cells eLife 2021-09-03 [PMID: 34477552] (WB)

Contractor T, Harris C Loss of copy of MIR1-2 increases CDK4 expression in ileal neuroendocrine tumors. Oncogenesis 2020-03-20 [PMID: 32198354] (FLOW, Human)

Fu C, Mao W, Gao R et al. Prostaglandin F2 alpha-PTGFR signaling promotes proliferation of endometrial epithelial cells of cattle through cell cycle regulation Anim. Reprod. Sci. 2020-02-01 [PMID: 31987327] (WB, Bovine)

Poncelet L, Garigliany M, Ando K et al. Cell cycle S phase markers are expressed in cerebral neuron nuclei of cats infected by the Feline Panleukopenia Virus Cell Cycle. 2016-11-09 [PMID: 27830988] (IHC-P, Feline)

Isohookana J, Haapasaari KM, Soini Y et al. Proteins of the retinoblastoma pathway, FEN1 and MGMT are novel potential prognostic biomarkers in pancreatic adenocarcinoma. Pathol Res Pract 2018-06-01 [PMID: 29735403] (Human)

Huang AM, Kao YT, Toh S et al. UBE2M-mediated p27(kip1) degradation in gemcitabine cytotoxicity. Biochem Pharmacol 2011-07-01 [PMID: 21477582] (WB, Human)





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### **Products Related to NBP1-31308**

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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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