

Product Datasheet

CDK4 Antibody NBP1-31308

Unit Size: 100 ul

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

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NBP1-31308

CDK4 Antibody

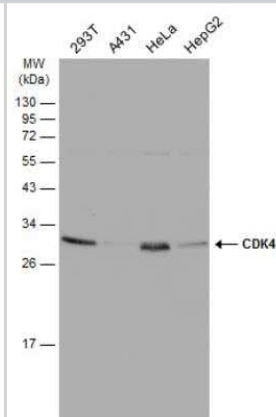
Product Information	
Unit Size	100 ul
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7), 20% Glycerol
Target Molecular Weight	34 kDa

Product Description	
Host	Rabbit
Gene ID	1019
Gene Symbol	CDK4
Species	Human, Mouse, Rat, Bovine, Feline
Reactivity Notes	Bovine reactivity reported in scientific literature (PMID:31987327). 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.

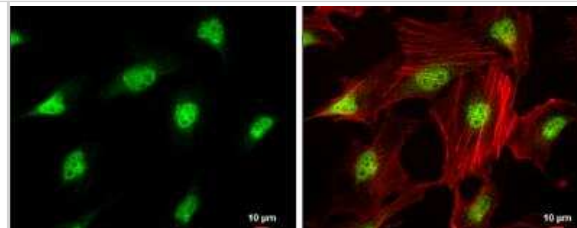
Product Application Details	
Applications	Western Blot, Simple Western, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:3000, Simple Western 1:50, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000
Application Notes	Simple Western reported by an internal validation: separated by size; antibody dilution of 1:10.

Images

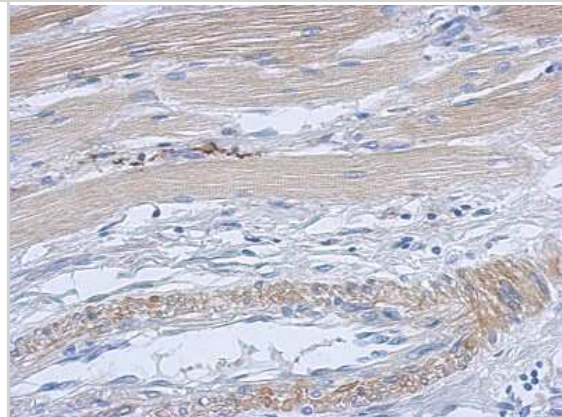
Western Blot: CDK4 Antibody [NBP1-31308] - Various whole cell extracts (30 ug) were separated by 12% SDS-PAGE, and the membrane was blotted with CDK4 antibody diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



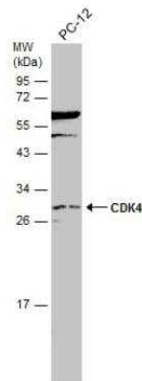
Immunocytochemistry/Immunofluorescence: CDK4 Antibody [NBP1-31308] - HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: CDK4 protein stained by CDK4 antibody diluted at 1:500. Red: phalloidin, a cytoskeleton marker, diluted at 1:200. Scale bar = 10 μ m.



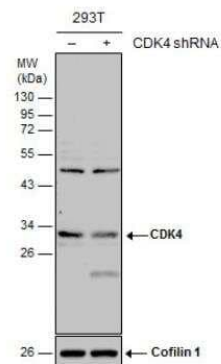
Immunohistochemistry-Paraffin: CDK4 Antibody [NBP1-31308] - Human gastric cancer, using CDK4 antibody at 1:500 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



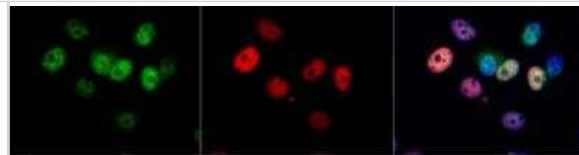
Western Blot: CDK4 Antibody [NBP1-31308] - Whole cell extract (30 μ g) was separated by 12% SDS-PAGE, and the membrane was blotted with CDK4 antibody diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



Western Blot: CDK4 Antibody [NBP1-31308] - Non-transfected (-) and transfected (+) 293T whole cell extracts (30 μ g) 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.



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

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-22974	Recombinant Human CDK4 His Protein

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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