

Product Datasheet

Chk1 Antibody - BSA Free NB100-311

Unit Size: 100 ul

Store at 4C. Do not freeze.

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Publications: 4

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NB100-311

Chk1 Antibody - BSA Free

Product Information	
Unit Size	100 ul
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)

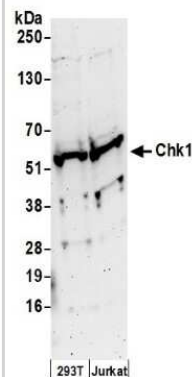
Product Description	
Description	Novus Biologicals Goat Chk1 Antibody - BSA Free (NB100-311) is a polyclonal antibody validated for use in WB and IP. Anti-Chk1 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	1111
Gene Symbol	CHEK1
Species	Human
Immunogen	The epitope recognized by NB100-311 maps to a region between residues 250 and 300 of human Checkpoint Kinase 1 using the numbering given in entry NP_001265.1 (GeneID 1111).

Product Application Details	
Applications	Western Blot, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000-1:10000, Immunoprecipitation 5-20 ug/mg lysate
Application Notes	100-311 may be used for Western Blot where a band at ~53 kD is seen on SDS-PAGE. It may also be used for immunoprecipitation (band ~ 48 kDa). Suggested working dilutions: * Western Blot 1:1,000-1:10,000 (ECL) Immunocytochemistry Not Done Immunoprecipitation 5-20 ug/g lysate *The investigator should determine the optimal working dilution for a specific application.

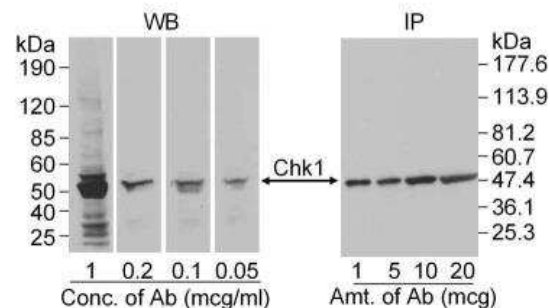


Images

Western Blot: Chk1 Antibody [NB100-311] - Samples: Whole cell lysate (50 ug) from 293T and Jurkat cells prepared using NETN lysis buffer. Antibody: Affinity purified goat anti-Chk1 antibody used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



Western Blot: Chk1 Antibody [NB100-311] - Whole Cell lysate (50 ug for WB, 500 ug for IP) from HeLa cells. Affinity purified goat anti-Chk1 used as indicated. Immunoprecipitated material was detected by WB using a monoclonal antibody to Chk1. Detection: Chemiluminescence with 1 minute exposure.



Publications

Gai Y, Qian L, Jiang S et al. Vacuolar protein sorting 35 (VPS35) acts as a tumor promoter via facilitating cell cycle progression in pancreatic ductal adenocarcinoma *Functional & integrative genomics* 2023-03-18 [PMID: 36933061]

Xie J, Guillemette S, Peng M et al. An MLH1 mutation links BACH1/FANCD1 to colon cancer, signaling, and insight toward directed therapy. *Cancer Prev Res (Phila)* 2010-11-01 [PMID: 20978114]

Schroering AG, Kothandapani A, Patrick SM et al. Prolonged cell cycle response of HeLa cells to low-level alkylation exposure. *Cancer Res* 2009-08-01 [PMID: 19638578]

Sun TP, Shieh SY, et al. Human FEM1B is required for Rad9 recruitment and CHK1 activation in response to replication stress. *Oncogene* 2009-05-07 [PMID: 19330022]



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Products Related to NB100-311

NB800-PC1	HeLa Whole Cell Lysate
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat 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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