

# Product Datasheet

## Chk2 Antibody (4B7) - Azide and BSA Free H00011200-M01

Unit Size: 0.1 mg

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

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**H00011200-M01**

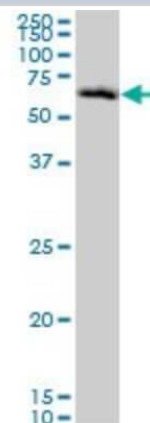
Chk2 Antibody (4B7) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
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	Monoclonal
Clone	4B7
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Host	Mouse
Gene ID	11200
Gene Symbol	CHEK2
Species	Human
Reactivity Notes	Human. Other species not tested.
Specificity/Sensitivity	CHEK2 - CHK2 checkpoint homolog (S. pombe)
Immunogen	CHEK2 (AAH04207.1, 1 a.a. ~ 543 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MSRES DVEAQQSHGSSACSQPHGSVTQSQGS SSSQSQGISSSSSTSTMPNSSQ SSHSSSGTLSSLETVSTQELYSIPEDQEPEDQEPEEPTPAPWARLWALQDGF NLECVNDNYWFGGRDKSCEYCFDEPLLKRTDKYRTYSKKHFRIFREVGPKNSYI AYIEDHSGNGTFVNTELVGKGKRRPLNNNSEIALSLSRNKVFVFFDLTVDDQSV YPKALRDEYIMSKTLGSGACGEVKLA FERKTCKKVAIKIISKRKFAIGSAREADP ALNVETEIEILKKNHPCIKIKNFFDAEDYYIVLELMEGGELFDKVVGNKRLKEAT CKLYFYQMLLAVQYLHENGIIHRDLKPENVLLSSQEEDCLIKITDFGH SKILGETS LMRTL CGTPTYL APEVLVSVGTAGYNRAVDCWSLGVILFICLSGYPPFSEHRTQ VSLKDQITSGKYNFIPEVWAEVSEKALDLVKLLVDPKARFTTEEALRHPWLQ DEDMKRKFQDLLSEENESTALPQVLAQPSTSRKRPREGEAEGAETTKRPAVC AAVL
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Sandwich ELISA
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Sandwich ELISA
Application Notes	Antibody reactive against cell lysate and recombinant protein for Western Blot. Has also been used for immunofluorescence, immunohistochemistry (paraffin), and ELISA.

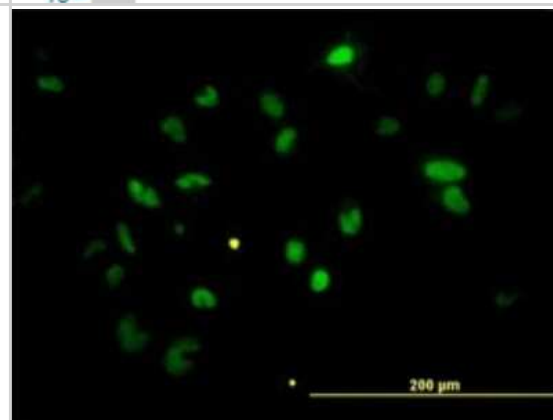


## Images

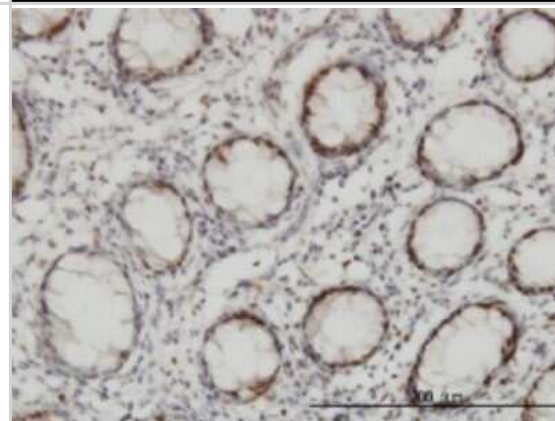
Western Blot: Chk2 Antibody (4B7) [H00011200-M01] - CHEK2 monoclonal antibody (M01), clone 4B7. Analysis of CHEK2 expression in HeLa.



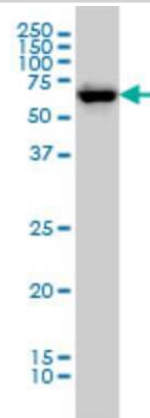
Immunocytochemistry/Immunofluorescence: Chk2 Antibody (4B7) [H00011200-M01] - Analysis of monoclonal antibody to CHEK2 on HeLa cell. Antibody concentration 10 ug/ml.



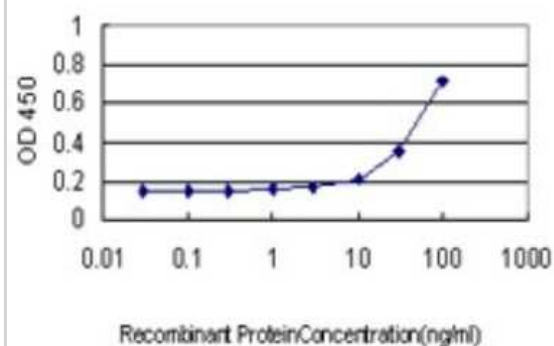
Immunohistochemistry-Paraffin: Chk2 Antibody (4B7) [H00011200-M01] - Analysis of monoclonal antibody to CHEK2 on formalin-fixed paraffin-embedded human colon. Antibody concentration 3 ug/ml.



Western Blot: Chk2 Antibody (4B7) [H00011200-M01] - CHEK2 monoclonal antibody (M01), clone 4B7 Analysis of CHEK2 expression in Hela S3 NE.



Sandwich ELISA: Chk2 Antibody (4B7) [H00011200-M01] - Detection limit for recombinant GST tagged CHEK2 is approximately 3ng/ml as a capture antibody.



## Publications

Chan YL, Liao CL, Lin YL. Human Kinase/Phosphatase-Wide RNAi Screening Identified Checkpoint Kinase 2 as a Cellular Factor Facilitating Japanese Encephalitis Virus Infection. *Front Cell Infect Microbiol* 2018-05-17 [PMID: 29868498]

Tarjan G, Haines GK 3rd, Vesper BJ et al. Part II Initial molecular and cellular characterization of high nitric oxide-adapted human tongue squamous cell carcinoma cell lines *Tumour Biol* 2011-02-01 [PMID: 20963646] (WB, Human)

Onul A, Colvard MD, Paradise WA et al. Application of Immunohistochemical Staining to Detect Antigen Destruction as a Measure of Tissue Damage *J Histochem Cytochem* 2012-08-03 [PMID: 22723525] (IF/IHC, Human)





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### **Products Related to H00011200-M01**

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
NBP2-88933PEP	Chk2 Recombinant Protein Antigen

### **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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