

Datasheet for ABIN6736365
anti-CHEK1 antibody (AA 192-241)



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2 Images

Overview

Quantity:	100 µL
Target:	CHEK1
Binding Specificity:	AA 192-241
Reactivity:	Human, Mouse, Rat, Dog, Horse, Rabbit, Monkey, Zebrafish (Danio rerio), Bat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CHEK1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic peptide located between aa192-241 of human CHEK1 (O14757, NP_001265). Percent identity by BLAST analysis: Human, Chimpanzee, Gorilla, Gibbon, Monkey, Galago, Marmoset, Mouse, Rat, Elephant, Panda, Dog, Bat, Rabbit, Horse, Zebra finch (100%), Hamster, Bovine, Pig, Opossum, Guinea pig, Chicken, Platypus (92%), Stickleback (85%). Type of Immunogen: Synthetic peptide
Specificity:	Human CHEK1 / CHK1
Predicted Reactivity:	Percent identity by BLAST analysis: Human, Mouse, Dog, Horse (100%) Bovine, Pig, Guinea pig, Chicken (92%).

Product Details

Purification: Immunoaffinity purified

Target Details

Target: CHEK1

Alternative Name: CHEK1 / CHK1 ([CHEK1 Products](#))

Background: Name/Gene ID: CHEK1

Subfamily: NIM1

Family: Protein Kinase

Synonyms: CHEK1, CHK1 checkpoint homolog, Cell cycle checkpoint kinase, Checkpoint kinase 1, CHK1, Chk1-S, Protein kinase chk1, Checkpoint kinase-1

Gene ID: 1111

NCBI Accession: [NP_001265](#)

UniProt: [O14757](#)

Pathways: [p53 Signaling](#), [Apoptosis](#), [Cell Division Cycle](#), [DNA Damage Repair](#)

Application Details

Application Notes: Approved: IHC, IHC-P (5 µg/mL), WB (0.2 - 1 µg/mL)

Usage: Immunohistochemistry: This antibody was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for this antibody was determined to be 5 µg/mL.

Comment: Target Species of Antibody: Human

Restrictions: For Research Use only

Handling

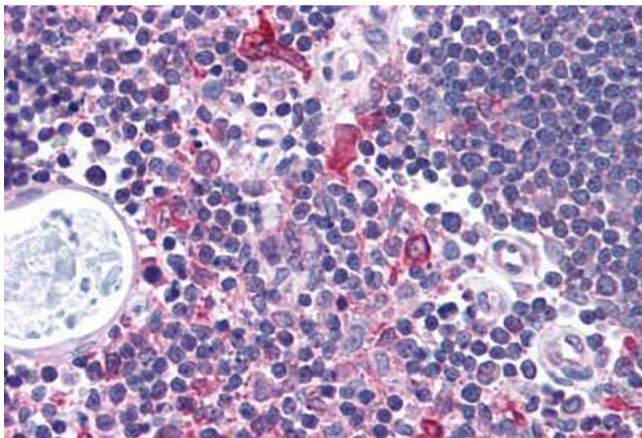
Format: Lyophilized

Reconstitution: After adding water, will consist of PBS buffer with 2 % sucrose

Handling

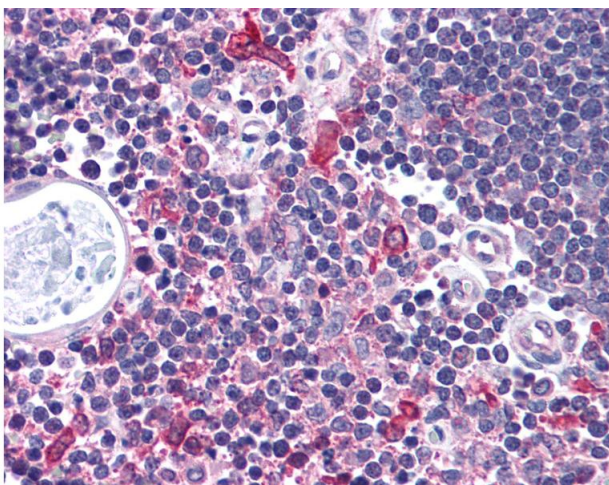
Concentration:	Lot specific
Buffer:	Lyophilized from PBS with 2 % sucrose
Handling Advice:	Avoid repeat freeze-thaw cycles.
Storage:	4 °C,-20 °C
Storage Comment:	Long term: -20°C, the use of 50% glycerol is recommended if storing aliquots in -20°C for long term use (up to 1 year) Short term (less than 1 week): 4°C. Avoid freeze-thaw cycles.

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Human Thymus (formalin-fixed, paraffin-embedded) stained with CHEK1 antibody ABIN214737 at 5 ug/ml followed by biotinylated goat anti-rabbit IgG secondary antibody ABIN481713, alkaline phosphatase-streptavidin and chromogen.



Immunohistochemistry

Image 2. Anti-Chk1 antibody IHC of human thymus. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml. This image was taken for the unconjugated form of this product. Other form ...