

## Anti-Chk2 (CHEK2) Mouse Monoclonal Antibody [Clone ID: OT15C4]

Catalog Number: M00277-1

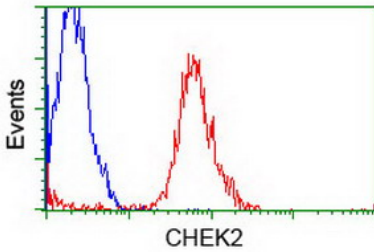
### Overview

Product Name	Anti-Chk2 (CHEK2) Mouse Monoclonal Antibody [Clone ID: OT15C4]
Reactive Species	Dog, Human, Mouse, Rat
Description	Boster Bio CHEK2 (CHK2) mouse monoclonal antibody, clone OT15C4 (formerly 5C4). Catalog# M00277-1. Tested in FC, IF, IHC, IP, WB. This antibody reacts with Human, Mouse, Rat, Dog.
Conjugate	Unconjugated
Application	Flow Cytometry, IP, IF, IHC, WB
Clonality	Monoclonal OT15C4
Formulation	PBS (pH 7.3) containing 1% stabilizing protein, 50% glycerol and 0.02% sodium azide. This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	O96017

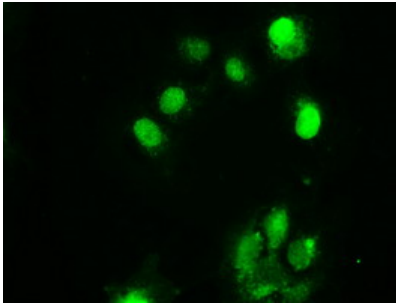
### Technical Details

Immunogen	Full length human recombinant protein of human CHEK2 (NP_009125) produced in HEK293T cell.
Isotype	IgG1
Concentration	1.43 mg/ml
Purification	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Suggested Dilutions	WB 1:500~1000 IHC 1:150 IF 1:50~100 Flow Cytometry 1:100 IP 2ug/500ul

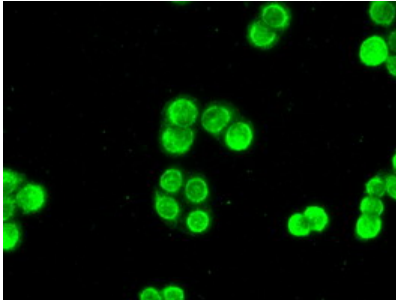
## Anti-Chk2 (CHEK2) Mouse Monoclonal Antibody [Clone ID: OTI5C4] (M00277-1) Images



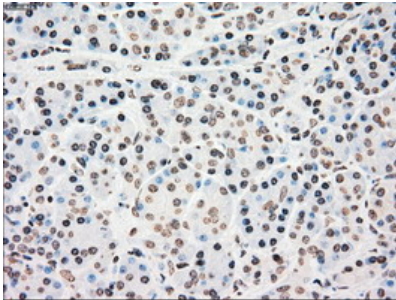
Flow cytometric Analysis of Jurkat cells



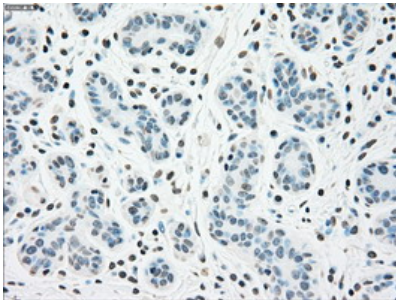
Anti-CHEK2 mouse monoclonal antibody (M00277-1) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY CHEK2.



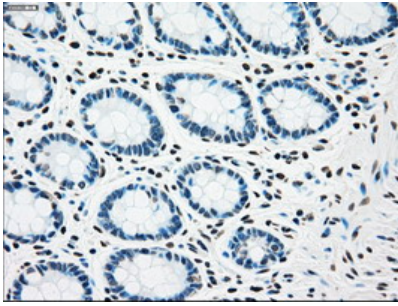
Immunofluorescent staining of HT29 cells using anti-CHEK2 mouse monoclonal antibody (M00277-1).



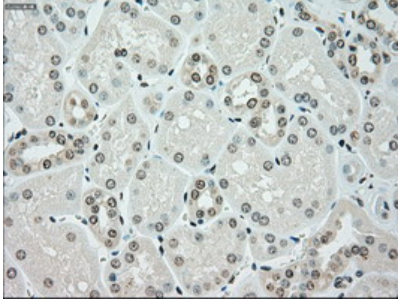
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-CHEK2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer)



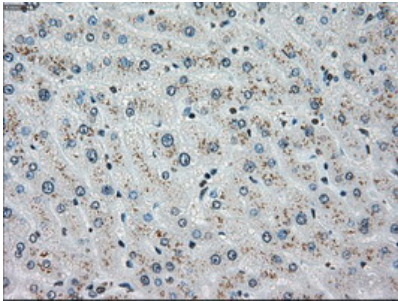
Immunohistochemical staining of paraffin-embedded Human breast tissue within the normal limits using anti-CHEK2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer)



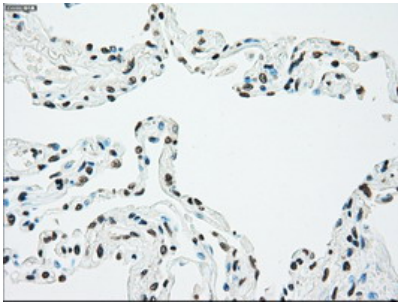
Immunohistochemical staining of paraffin-embedded Human colon tissue within the normal limits using anti-CHEK2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer)



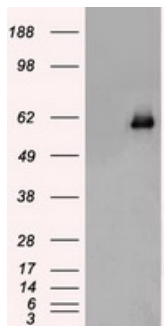
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-CHEK2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer)



Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-CHEK2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer)

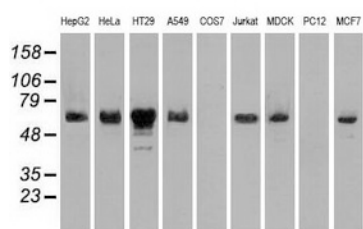


Immunohistochemical staining of paraffin-embedded Human lung tissue within the normal limits using anti-CHEK2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer)

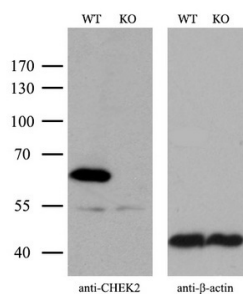


HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY CHEK2 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CHEK2.

Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-CHEK2 monoclonal antibody (HepG2):



human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).



Equivalent amounts of cell lysates (10 ug per lane) of wild-type HeLa cells (WT) and CHEK2-Knockout hela cells (KO) were separated by SDS-PAGE and immunoblotted with anti-CHEK2 monoclonal antibody M00277-1. Then the blotted membrane was stripped and reprobed with anti-β-actin as a loading control (1:500).

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