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antibody and ELISA experts

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Anti-Chk2 (CHEK2) Mouse Monoclonal Antibody [Clone ID: OTI5C4]

Catalog Number: M00277-1

Overview

Product Name	Anti-Chk2 (CHEK2) Mouse Monoclonal Antibody [Clone ID: OTI5C4]
Reactive Species	Dog, Human, Mouse, Rat
Description	Boster Bio CHEK2 (CHK2) mouse monoclonal antibody, clone OTI5C4 (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 OTI5C4
Formulation	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
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	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows:

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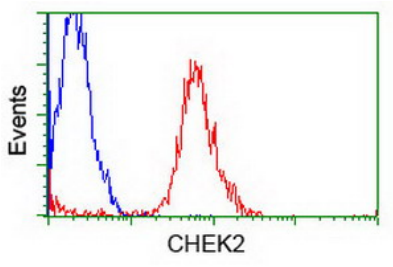
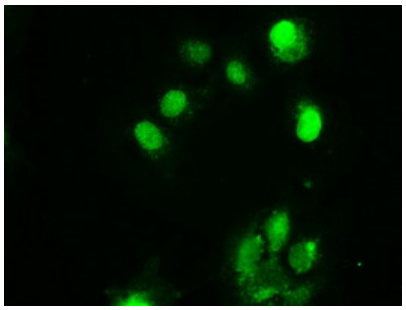
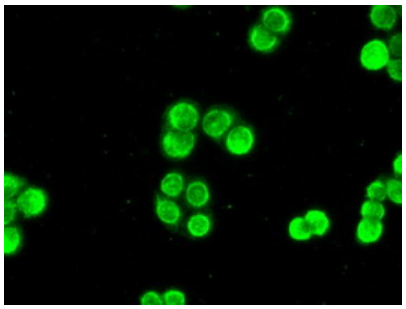
Anti-Chk2 (CHEK2) Mouse Monoclonal Antibody [Clone ID: OTI5C4] (M00277-1) Images



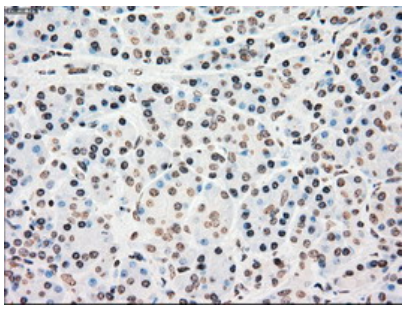
Flow cytometric Analysis of Jurkat cells



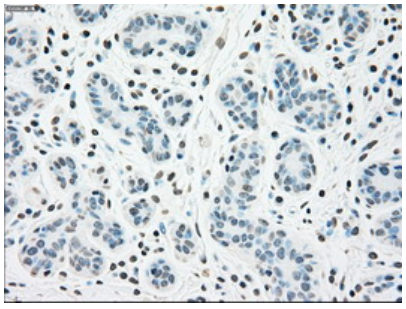
Anti-CHEK2 mouse monoclonal antibody (M00277-1) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY CHEK2.



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

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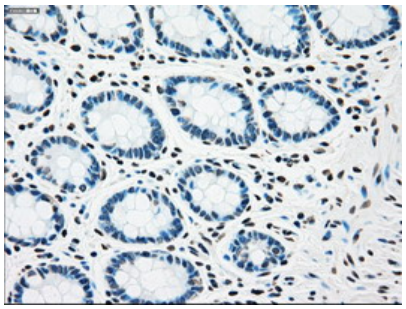
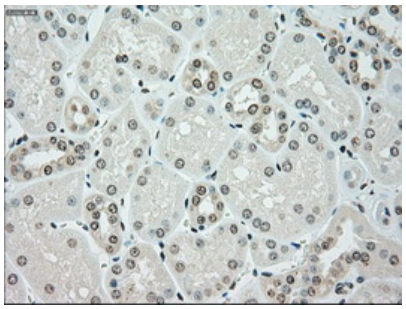
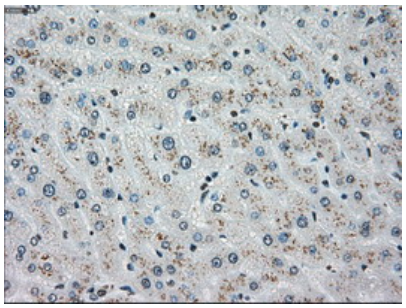


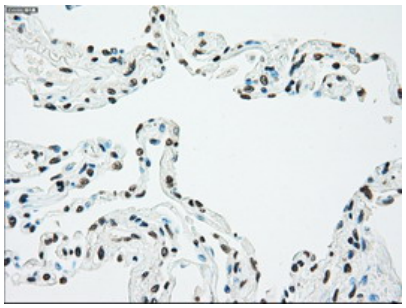
Immunohistochemical staining of paraffin-embedded Human colon tissue within the normal limits using anti-CHEK2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer



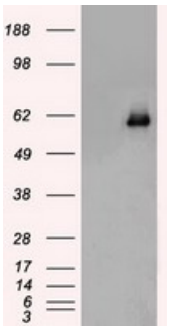
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-CHEK2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer



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 usin g anti-CHEK2 monoclonal antibody (HepG2:

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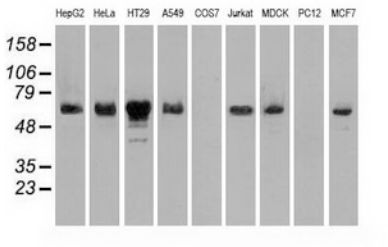
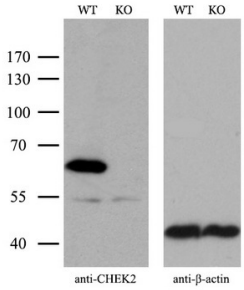


human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).



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-Î²-actin as a loading control (1:500).

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