

Chk1 Monoclonal Antibody (2G1D5)

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	2G1D5
Conjugate	Unconjugated
Immunogen	Purified recombinant fragment of CHK1 expressed in E. Coli.
Form	Liquid
Concentration	1.0 mg/mL
Purification	Protein G
Storage buffer	PBS
Contains	0.03% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_10988520

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:2,000	-
ELISA (ELISA)	1:10,000	-

Product Specific Information

MA5-15239 targets CHK1 in indirect ELISA, WB applications and shows reactivity with Human and mouse samples.

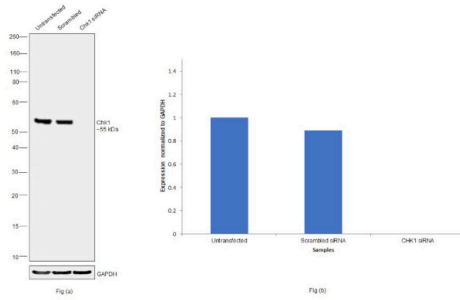
The MA5-15239 immunogen is purified recombinant fragment of CHK1 expressed in E. Coli.

MA5-15239 detects CHK1 which has a predicted molecular weight of approximately 56kDa.

Product Images For Chk1 Monoclonal Antibody (2G1D5)

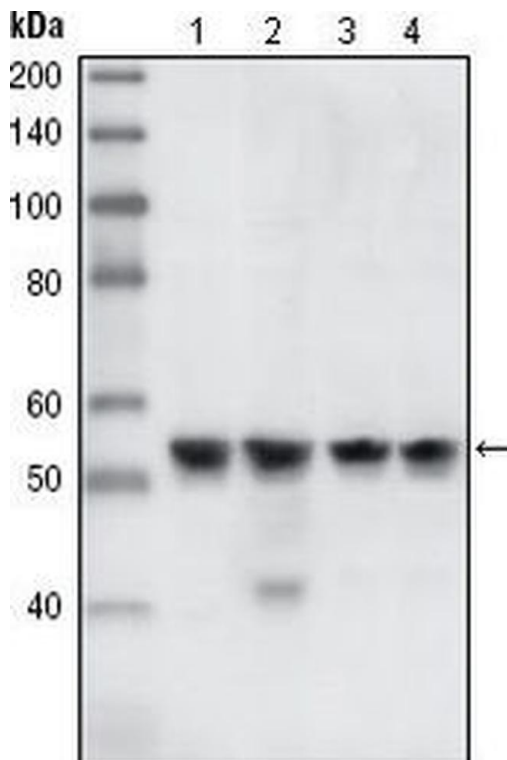
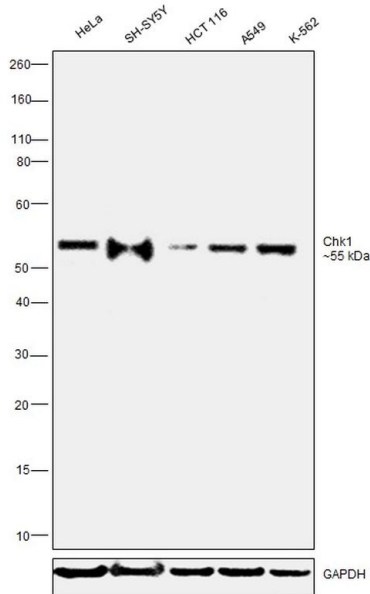
Chk1 Antibody (MA5-15239)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. HeLa cells were transfected with Chk1 siRNA and decrease in signal intensity was observed in Western Blot application using Anti-Chk1 Monoclonal Antibody (2G1D5) (Product # MA5-15239). {KD}



Chk1 Antibody (MA5-15239) in WB

Western blot was performed using Anti-Chk1 Monoclonal Antibody (2G1D5) (Product # MA5-15239) and a 55kDa band corresponding to Chk1 was observed across cell lines tested. Whole cell extracts (30µg lysate) of HeLa (Lane 1), SH-SY5Y (Lane 2), HCT 116 (Lane 3), A549 (Lane 4) and K-562 (Lane 5) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0321BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat anti-Mouse IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A28177, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



Chk1 Antibody (MA5-15239) in WB

Western blot analysis of CHK1 using CHK1 monoclonal antibody (Product # MA5-15239) in A431 (1), HeLa (2), NIH/3T3 (3) and K562 (4) cell lysate.

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