

Chk1 Recombinant Rabbit Monoclonal Antibody (ST57-09)

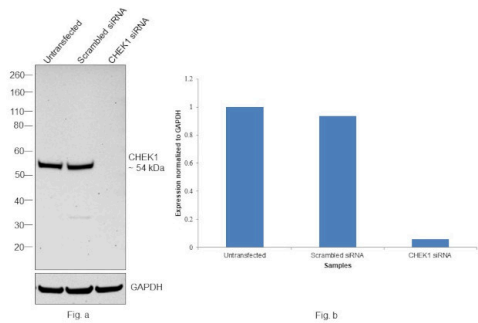
Product Details	
Size	100 µL
Species Reactivity	Human
Host/Isotype	Rabbit / IgG
Expression system	HEK293 cells
Class	Recombinant Monoclonal
Type	Antibody
Clone	ST57-09
Conjugate	Unconjugated
Immunogen	Synthetic peptide within Human Chk1 aa 431-476
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	TBS, pH 7.4, with 40% Glycerol, 0.05% BSA
Contains	0.05% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2809468

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000-1:2,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:200	-
Immunocytochemistry (ICC/IF)	1:50-1:200	-
Flow Cytometry (Flow)	1:50-1:100	-

Product Specific Information

Recombinant rabbit monoclonal antibodies are produced using in vitro expression systems. The expression systems are developed by cloning in the specific antibody DNA sequences from immunoreactive rabbits. Then, individual clones are screened to select the best candidates for production. The advantages of using recombinant rabbit monoclonal antibodies include: better specificity and sensitivity, lot-to-lot consistency, animal origin-free formulations, and broader immunoreactivity to diverse targets due to larger rabbit immune repertoire.

Product Images For Chk1 Recombinant Rabbit Monoclonal Antibody (ST57-09)

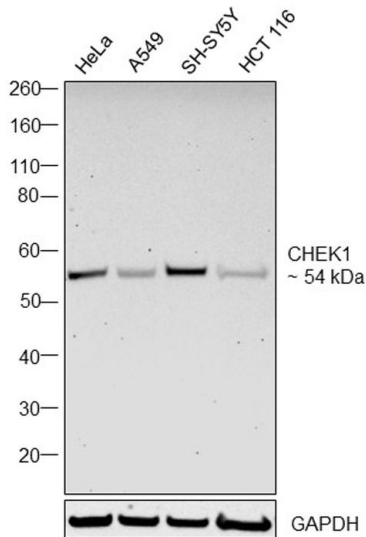


Chk1 Antibody (MA5-32180)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. HeLa cells were transfected with CHEK1 siRNA and a steep decrease in signal intensity was observed in western blot application using Anti-Chk1 Recombinant Rabbit Monoclonal Antibody (Product # MA5-32180). {KD}

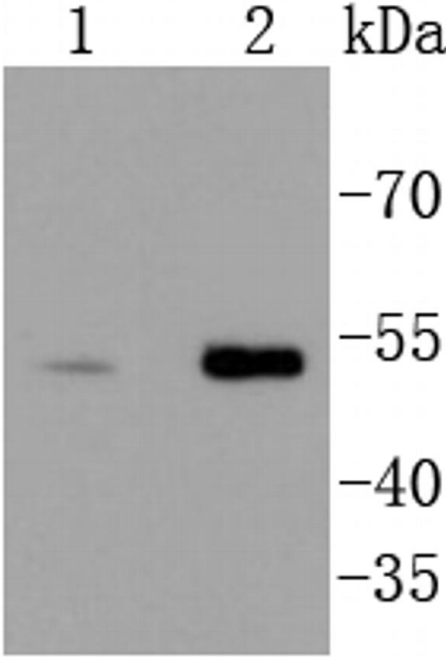
Chk1 Antibody (MA5-32180) in WB

Western blot was performed using Anti-Chk1 Recombinant Rabbit Monoclonal Antibody (ST57-09), (Product # MA5-32180) and a 54 kDa band corresponding to CHEK1 was observed in the cell lines tested. Modified whole cell extracts (1% SDS) (30 µg lysate) of HeLa (Lane 1), A549 (Lane 2), SH-SY5Y (Lane 3), and HCT 116 (Lane 4) were electrophoresed using Novex® NuPAGE® 4-12 % Bis-Tris 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-Rabbit IgG (Heavy Chain), Superclonal™ Recombinant Secondary Antibody, HRP conjugate (Product # A27036, 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 (MA5-32180) in WB

Western blot analysis of Chk1 in different lysates using a Monoclonal antibody (Product #MA5-32180) at a dilution of 1:1,000. Positive control: Lane 1: HeLa, Lane 2: PC-3M.



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