

Phospho-CHK1 (Ser345) Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Non-human primate, Rat
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding pSer345 of human Chk1
Form	Liquid
Concentration	141 µg/mL
Purification	Antigen affinity chromatography
Storage buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/mL BSA, 50% glycerol
Contains	no preservative
Storage conditions	-20°C
RRID	AB_10982437

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	-

Product Specific Information

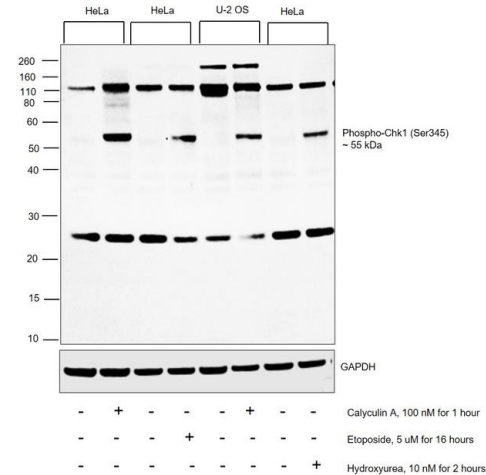
It is not recommended to aliquot this antibody.

This antibody is not cross-reactive with Chk1 when phosphorylated at other sites.

Product Images For Phospho-CHK1 (Ser345) Polyclonal Antibody

Phospho-CHK1 (Ser345) Antibody (PA5-17840) in WB

Western blot was performed using Anti-Phospho-CHK1 (Ser345) Polyclonal Antibody (Product # PA5-17840-1HUA) and a 55 kDa band corresponding to Phospho-CHK1 (Ser345) was observed to be induced upon Calyculin A, Etoposide and Hydroxyurea treatments in HeLa cells and Calyculin A treatment in U-2 OS cells. Whole cell extracts (30 µg lysate) of HeLa (Lane 1), HeLa treated with Calyculin A (100 nM for 1 hour) (Lane 2), HeLa (Lane 3), HeLa treated with Etoposide (5 µM for 16 hours) (Lane 4), U-2 OS (Lane 5), U-2 OS treated with Calyculin A (100 nM for 1 hour) (Lane 6), HeLa (Lane 7) and HeLa treated with Hydroxyurea (10 mM for 2 hours) (Lane 8) were electrophoresed using NuPAGE™ 10% Bis-Tris Protein Gel (Product # NP0302BOX). 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 (Product # A27036, 1:20,000 dilution) using the iBright™ FL1500 Imaging System (Product # A44115). Chemiluminescent detection was performed using SuperSignal™ West Atto Ultimate Sensitivity Substrate (Product # A38556). Uncharacterized bands of ~25 and 110 kDa was also observed across the cell lines tested and ~160 kDa band was observed in U-2 OS cells and U-2 OS cells treated with Calyculin A.



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