Phospho-CDK1-Y15 Antibody

CABP0016

Description

This Phospho-CDK1-Y15 Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

SKU:	CABP0016
Contents:	20 µL, 100 µL Bradford Reagent: 1 vial (2ml)
Category:	Polyclonal Antibody
Synonyms:	CDC2, CDC28A, P34CDC2, Phospho-CDK1-Y15
Clone:	-
Applications:	WB IHC-P IP ELISA IF-P
Conjugation:	Unconjugated
Reactivity:	Human, Mouse, Rat

Antibody Data

Gene ID:	983
Uniprot:	AB_2770978
Host Species:	Rabbit
Purification:	Affinity purification
Observed MW:	34kDa
Calculated MW:	34kDa

Preparation & Storage

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

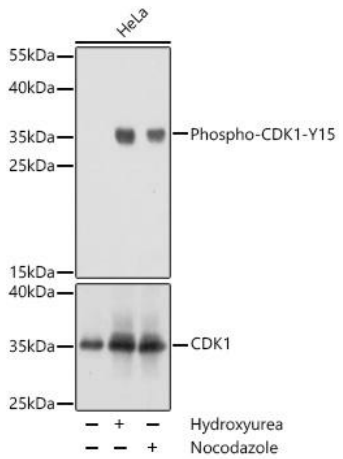
Positive Sample: HeLa treated with nocodazole, NIH/3T3 treated with nocodazole, C6 treated with nocodazole

Recommended Dilutions:

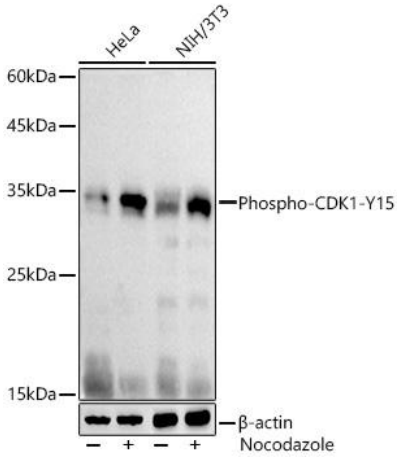
WB	1:500 - 1:1000
IP	0.5µg-4µg antibody for 200µg-400µg extracts of whole cells
IF-P	1:50 - 1:200
IHC-P	1:50 - 1:200
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit https://www.assaygenie.com/bradford-protein-assay-protocol/ to view the full protocol

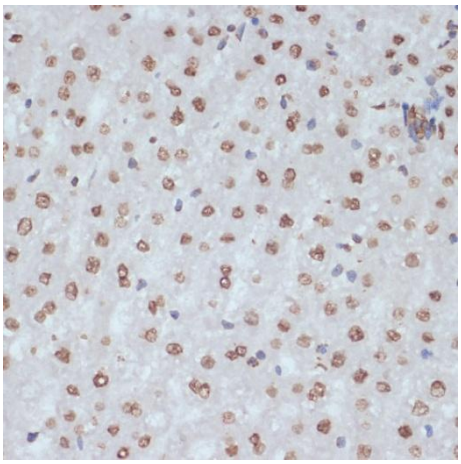
Validation Data



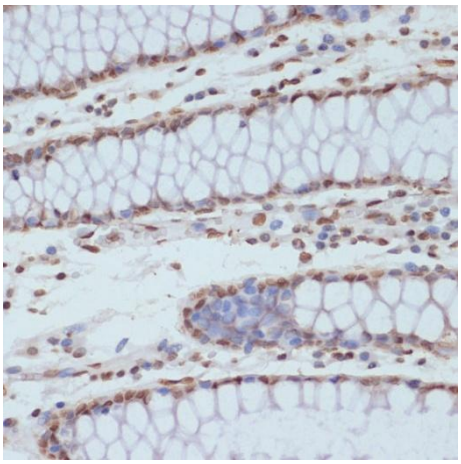
Western blot analysis of lysates from HeLa cells, using Phospho-- Rabbit pAb (CAB0220). HeLa cells were treated with nocodazole (50 ng/mL) at 37°C for 20 hours or Hydroxyurea (4 mM) at 37°C for 20 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% BSA. Detection: ECL Basic Kit (AbGn00020). Exposure time: 1s.



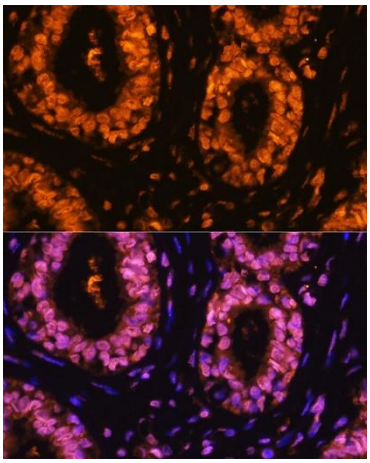
Western blot analysis of various lysates using Phospho-- Rabbit pAb (CABP0016) at 1:1000 dilution. HeLa and NIH/3T3 cells were treated with nocodazole (50 ng/ml) at 37℃ for 20 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 10s.



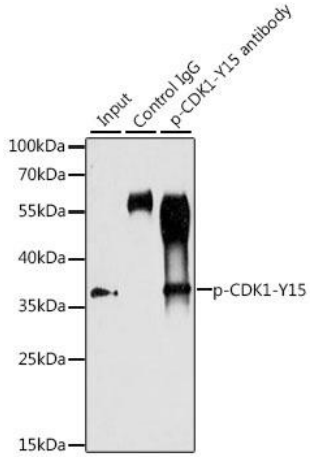
Immunohistochemistry analysis of paraffin-embedded Rat liver using Phospho-- Rabbit pAb (CABP0016) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human colon using Phospho-- Rabbit pAb (CABP0016) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Immunofluorescence analysis of paraffin-embedded human breast cancer using Phospho-- Rabbit pAb (CABP0016) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (CABS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 200 µg extracts of HT-29 cells, using 3 µg Phospho-- pAb (CABP0016). Western blot was performed from the immunoprecipitate using Phospho-- pAb (CABP0016) at a dilution of 1:1000. HT-29 cells were treated with Serum-starvation overnight at 37°C.