Cdc25B(Phospho-Ser149) Antibody

Catalog No: #11553

Package Size: #11553-1 50ul #11553-2 100ul #11553-4 25ul

Overview

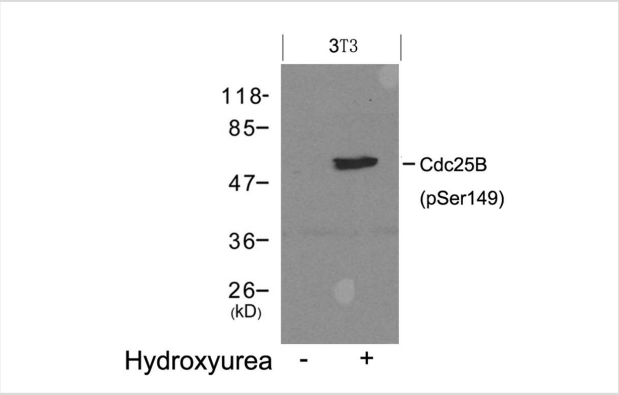
Product Name	Cdc25B(Phospho-Ser149) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB
Species Reactivity	Ms Rt
Immunogen Type	Peptide-KLH
Target Name	Cdc25B
Modification	Phospho-Ser149
Alternative Names	CDC25B

Application Details

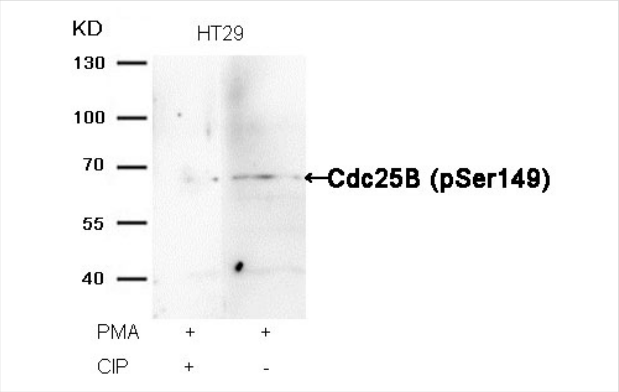
Predicted MW: 62kd

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from 3T3 cells untreated(lane 1) or treated with Hydroxyurea(lane 2) using Cdc25B(Phospho-Ser149) Antibody #11553.



Western blot analysis of extracts from HT29 cells, treated with PMA or calf intestinal phosphatase (CIP), using Cdc25B (Phospho-Ser149) Antibody #11553.

Descriptions

Immunogen	Peptide sequence around phosphorylation site of Serine 149 (F-R-S(p)-L-P) derived from Mouse Cdc25B.
Specificity	The antibody detects endogenous level of Cdc25B protein only when phosphorylated at serine 149.
Purifiction	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.
Accession NO.	Swiss-Prot: Q9DBN8NCBI Protein: NP_001104545.1

Related Information

Cdc25B is a member of the CDC25 family of phosphatases. CDC25B activates the cyclin dependent kinase CDC2 by removing two phosphate groups and it is required for entry into mitosis. CDC25B shuttles between the nucleus and the cytoplasm due to nuclear localization and nuclear export signals. The protein is nuclear in the M and G1 phases of the cell cycle and moves to the cytoplasm during S and G2. CDC25B has oncogenic properties, although its role in tumor formation has not been determined. Multiple transcript variants for this gene exist.

Li G, et al. (2010) Retrovirology.7:59.
Wang Z,et al. (2010) BMC Cancer.10:233.
Lucci MA,et al. (2010) Cell Oncol.32(5-6):361-72.

Published Papers

Jianying Xiao, Chao Liu, Junjie Hou el at., Ser149 Is Another Potential PKA Phosphorylation Target of Cdc25B in G2/M Transition of Fertilized Mouse Eggs., THE JOURNAL OF BIOLOGICAL CHEMISTRY, 286(12):10356B¨C10366(2011)

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