

AP26041PU-S**Polyclonal Antibody to Cdc25B pSer149 - Aff - Purified**

Quantity:	50 µg
Concentration:	1.0 mg/ml
Background:	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.
Uniprot ID:	Q9DBN8
NCBI:	NP_001104545
GeneID:	12531
Host:	Rabbit
Immunogen:	Peptide sequence around phosphorylation site of Serine 149 derived from Mouse Cdc25B. AA Sequence: F-R-S(p)-L-P
Format:	State: Liquid Ig fraction Purification: Affinity-chromatography using epitope-specific peptide Buffer System: Phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Applications:	Western blot: 1:500 - 1:1000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody detects endogenous level of Cdc25B protein only when phosphorylated at serine 149.
Species Reactivity:	Tested: Mouse, rat
Add. Information:	Molecular weight: 62
Storage:	Store (in aliquots) at -20 °C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Li G, et al. (2010) Retrovirology.7:59. 2. Wang Z, et al. (2010) BMC Cancer.10:233. 3. Lucci MA, et al. (2010) Cell Oncol.32(5-6):361-72.

Pictures:

Western blot analysis of extracts from 3T3 cells untreated (lane 1) or treated with Hydroxyurea (lane 2) using Cdc25B (Phospho-Ser149) Antibody AP26041PU-N.

