CDC25B (Phospho-Ser353) Antibody

Catalog No: #11949

Package Size: #11949-1 50ul #11949-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

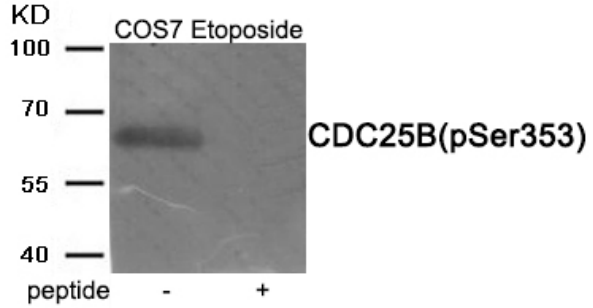
Description

Product Name	CDC25B (Phospho-Ser353) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous level of CDC25B only when phosphorylated at serine 353.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 353(R-R-S(p)-V-T) derived from Human CDC25B .
Target Name	CDC25B
Modification	Phospho
Other Names	CDC25M2; MPIP2; Dual specificity phosphatase Cdc25B; CDC25HU2;
Accession No.	Swiss-Prot#: P30305; NCBI Gene#: 994; NCBI Protein#: NP_001274445.1
Uniprot	P30305
GeneID	994;
SDS-PAGE MW	64kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG 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/1 year

Application Details

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from COS7 cells treated with Etoposide using Phospho-CDC25B (Ser353) antibody #11949.The lane on the right is treated with the antigen-specific peptide.

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.

Reboutier D, et al. (2012) J Cell Biol 197, 19-26

Lobjois V, et al. (2011) Biochem Biophys Res Commun 410, 87-90

Feng C, et al. (2007) Biol Reprod 77, 560-8

Note: This product is for in vitro research use only