cdc25A(Phospho-Ser76) Antibody

Catalog No: #11138



Package Size: #11138-1 50ul #11138-2 100ul #11138-4 25ul

Overview

Product Name	cdc25A(Phospho-Ser76) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WBIHC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide-KLH
Target Name	cdc25A
Modification	Phospho-Ser76
Alternative Names	CDC25M3; MPIP1;

Application Details

Predicted MW: 70kd	
Western blotting: 1:500~1:1000	
Immunohistochemistry: 1:50~1:100	

Images



Western blot analysis of extracts from Hela cells untreated or treated with TNF-a and CA using cdc25A(Phospho-Ser76) Antibody #11138.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using cdc25A(Phospho-Ser76) Antibody #11138(left) or the same antibody preincubated with blocking peptide(right).

Descriptions	
Immunogen	Peptide sequence around phosphorylation site of serine 76 (M-G-S(p)-S-E) derived from Human cdc25A.
Specificity	The antibody detects endogenous level of cdc25A only when phosphorylated at serine 76.
Purifiction	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.
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: P30304NCBI Protein: NP_001780.2

Related Information

Tyrosine protein phosphatase which functions as a dosage-dependent inducer of mitotic progression. Directly dephosphorylates CDC2 and stimulates its kinase activity. Also dephosphorylates CDK2 in complex with cyclin E, in vitro. Jin J, et al. (2003) Genes 17(24): 3062-74.

Shimuta K, et al. (2002) EMBO J 21(14): 3694-703.

Published Papers

Shunfu Piao, Su-Jin Lee, Yongbin Xu el at., CK1B¦C targets Cdc25A for ubiquitin-mediated proteolysis under normal conditions and in response to checkpoint activation, Cell Cycle, 10(3):531-537(2011)

PMID:21252624

Note: This product is for in vitro research use only and is not intended for use in humans or animals.