Best Tools for immunology Research

Cdc25C (phospho Ser198) Polyclonal Antibody

Catalog No :	YP1085
Reactivity :	Human;Rat;Mouse;
Applications :	IHC;IF;ELISA
Target :	Cdc25C
Fields :	>>Cell cycle;>>Oocyte meiosis;>>Progesterone-mediated oocyte maturation;>>Human immunodeficiency virus 1 infection;>>MicroRNAs in cancer
Gene Name :	CDC25C
Protein Name :	M-phase inducer phosphatase 3
Human Gene Id :	995
Human Swiss Prot No :	P30307
Mouse Swiss Prot No :	P48967
Immunogen :	The antiserum was produced against synthesized peptide derived from human CDC25C around the phosphorylation site of Ser198. AA range:164-213
Specificity :	Phospho-Cdc25C (S198) Polyclonal Antibody detects endogenous levels of Cdc25C protein only when phosphorylated at S198.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	IHC 1:100 - 1:300. ELISA: 1:5000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 53kD

Cell Pathway : Cell_Cycle_G1S;Cell_Cycle_G2M_DNA;Oocyte meiosis;Progesterone-mediated oocyte maturation;

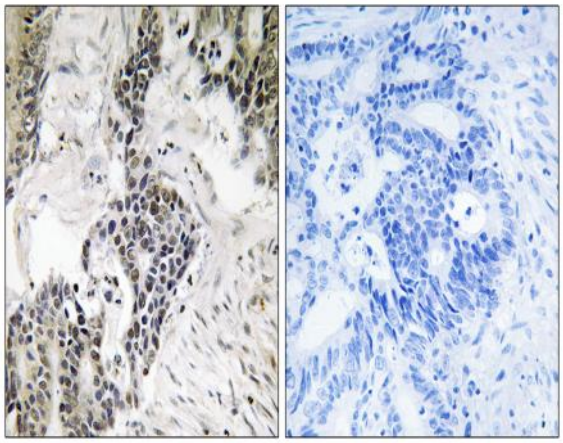
Background : cell division cycle 25C(CDC25C) Homo sapiens This gene encodes a conserved protein that plays a key role in the regulation of cell division. The encoded protein directs dephosphorylation of cyclin B-bound CDC2 and triggers entry into mitosis. It also suppresses p53-induced growth arrest. Multiple alternatively spliced transcript variants of this gene have been described. [provided by RefSeq, Dec 2015],

Function : catalytic activity:Protein tyrosine phosphate + H(2)O = protein tyrosine + phosphate.,developmental stage:Expressed predominantly in G2 phase.,function:Functions as a dosage-dependent inducer in mitotic control. It is a tyrosine protein phosphatase required for progression of the cell cycle. It directly dephosphorylates CDC2 and activate its kinase activity.,PTM:Phosphorylated by CHK1 on Ser-216. This phosphorylation creates a binding site for 14-3-3 protein and inhibits the phosphatase.,similarity:Belongs to the MPI phosphatase family.,similarity:Contains 1 rhodanese domain.,subunit:Interacts with HIV-1 Vpr, thereby inactivating CDC25C phosphatase activity.,

Subcellular Location : Nucleus .

Expression : Colon carcinoma,Epithelium,Skin,Testis,

Products Images



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma, using CDC25C (Phospho-Ser198) Antibody. The picture on the right is blocked with the phospho peptide.