Best Tools for immunology Research

Cdc25C Polyclonal Antibody

Catalog No :	YT0801
Reactivity :	Human;Mouse
Applications :	WB;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. AA range:183-232
Specificity :	Cdc25C Polyclonal Antibody detects endogenous levels of Cdc25C protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000.. 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)

Observed Band : 53kD

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

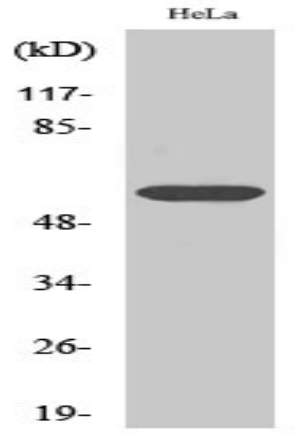
Background : cell division cycle 25C(CDC25C) Homo sapiens This gene encodes a conserved protein that plays a key role in the regulation of cell division. The encoded protein directs dephosphorylation of cyclin B-bound CDC2 and triggers entry into mitosis. It also suppresses p53-induced growth arrest. 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.,

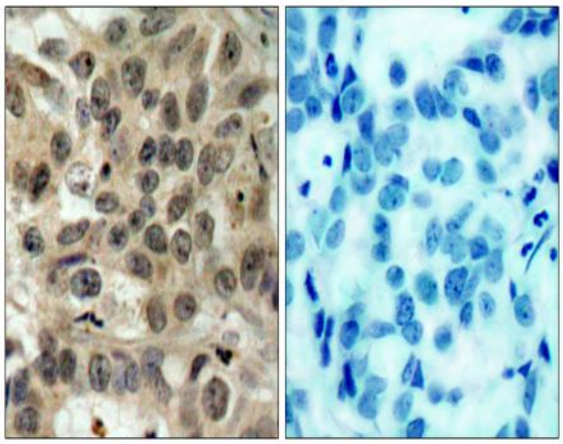
Subcellular Location : Nucleus .

Expression : Colon carcinoma,Epithelium,Skin,Testis,

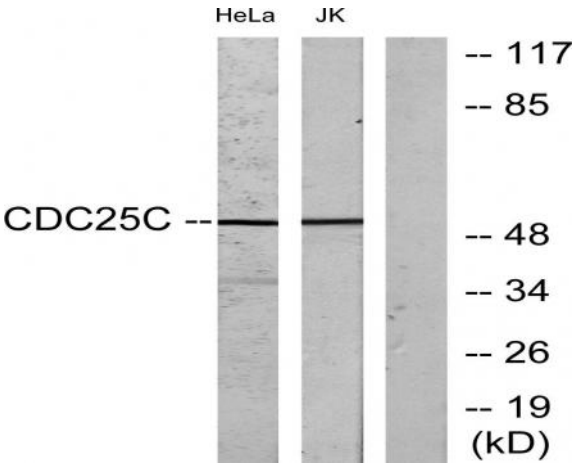
Products Images



Western Blot analysis of various cells using Cdc25C Polyclonal Antibody



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using CDC25C Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HeLa and Jurkat cells, using CDC25C Antibody. The lane on the right is blocked with the synthesized peptide.