

Cdc25C (Phospho Ser216) (PT1382R) PT™ Rabbit mAb

CatalogNo: YM9224 **Recombinant** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB, IHC, IF, IP, ELISA

MW

- 53kD (Calculated)
- 58kD (Observed)

Isotype

- IgG, Kappa

Storage

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

Formulation PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

Recommended Dilution Ratios

IHC 1:200-1:1000

WB 1:500-1:2000

IF 1:200-1:1000

ELISA 1:5000-1:20000

IP 1:50-1:200

Basic Information

Clonality Monoclonal

Clone Number PT1382R

Immunogen Information

Immunogen The specific immunogen used to produce this antibody is proprietary information.

Specificity

Cdc25C (Phospho Ser216) Antibody detects endogenous levels of Cdc25C protein only when phosphorylated at S216. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):SPsMP

Target Information

Gene name CDC25C

Protein Name M-phase inducer phosphatase 3

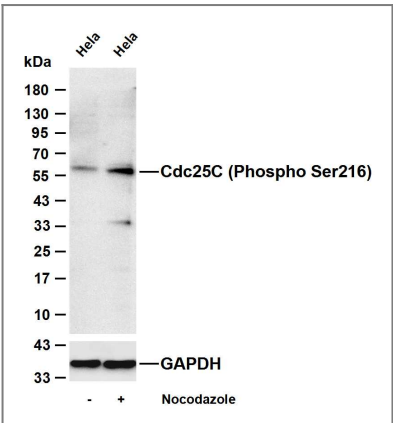
Organism	Gene ID	UniProt ID
Human	995;	P30307;
Mouse		P48967;

Cellular Localization Nucleus .

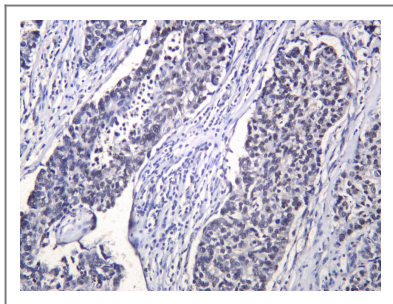
Tissue specificity Colon carcinoma ,Epithelium ,Skin ,Testis ,

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. ,

Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Cdc25C (Phospho Ser216) (PT1382R) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: HeLa Lane 2: HeLa was treated with Nocodazole (50ng/mL) for 20 hours Predicted band size: 53kDa Observed band size: 58kDa



Human lung carcinoma was stained with anti-Cdc25C (Phospho Ser216) (PT1382R) Rabbit antibody

| Contact information

Orders: order@immunoway.com
Support: tech@immunoway.com
Telephone: 877-594-3616 (Toll Free), 408-747-0185
Website: <http://www.immunoway.com>
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code to access additional product information:
Cdc25C (Phospho Ser216) (PT1382R) PT™ Rabbit mAb

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