

Cdc25C (Phospho Ser216) Rabbit pAb

CatalogNo: YP0058 **Orthogonal Validated** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC, IF, ELISA, FC

MW

- 53kD (Observed)

Isotype

- IgG

Storage

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

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-1:2000

IHC 1:100-1:300

ELISA 1:10000

IF 1:50-200

FC 1:100-1:500

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen The antiserum was produced against synthesized peptide derived from human CDC25C around the phosphorylation site of Ser216. AA range:183-232

Specificity

Phospho-Cdc25C (S216) Polyclonal 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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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

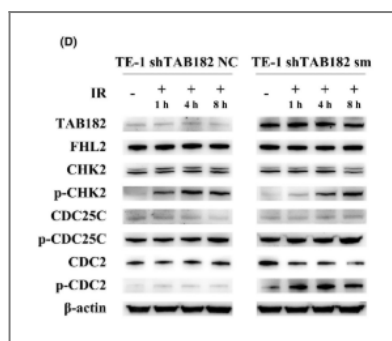
Organism	Gene ID	UniProt ID
Human	995;	P30307;
Mouse		P48967;

Cellular Localization Nucleus .

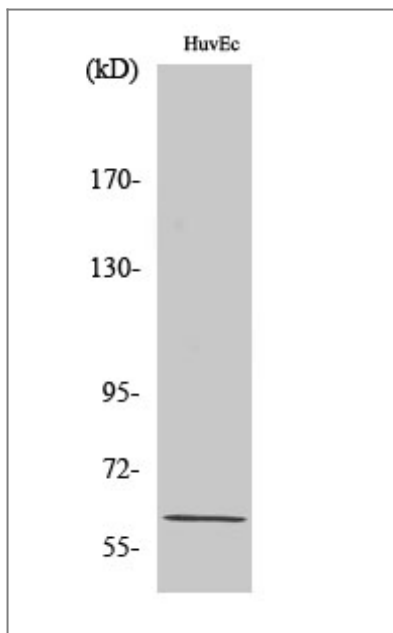
Tissue specificity Colon carcinoma ,Epithelium ,Skin ,Testis ,

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. ,

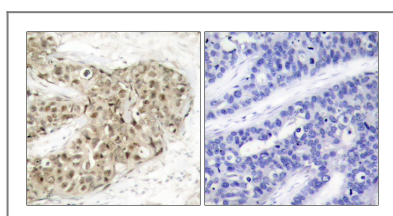
Validation Data



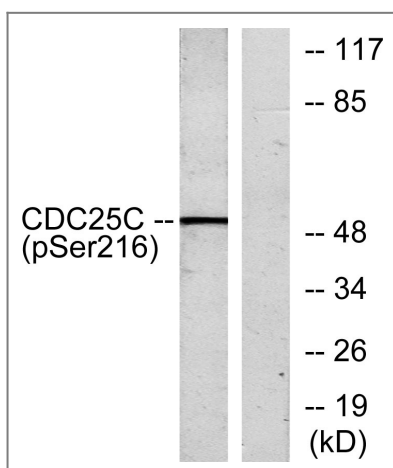
Cao, Yuandong, et al. "Elevated TAB182 enhances the radioresistance of esophageal squamous cell carcinoma through G2-M checkpoint modulation." *Cancer Medicine* 10.9 (2021): 3101-3112.



Western Blot analysis of HuvEc cells using Phospho-Cdc25C (S216) Polyclonal Antibody diluted at 1:1000



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using CDC25C (Phospho-Ser216) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HUVEC cells treated with serum 20% 30', using CDC25C (Phospho-Ser216) Antibody. The lane on the right is blocked with the phospho peptide.

Contact information

Orders: order.cn@immunoway.com
 Support: support.cn@immunoway.com
 Telephone: 400-8787-807(China)
 Website: <http://www.immunoway.com.cn>
 Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code to access additional product information:
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