10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

Anti-Cdc25C Picoband Antibody

Catalog # ABO12442

Specification

Anti-Cdc25C Picoband Antibody - Product Information

Application	**WB**
Primary Accession	P30307
Host	**Rabbit**
Reactivity	**Human, Rat**
Clonality	**Polyclonal**
Format	**Lyophilized**

Description
Rabbit IgG polyclonal antibody for M-phase inducer phosphatase 3(CDC25C) detection. Tested with WB in Human;Rat.

Reconstitution
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-Cdc25C Picoband Antibody - Additional Information

Gene ID 995

Other Names
M-phase inducer phosphatase 3, 3.1.3.48, Dual specificity phosphatase Cdc25C, CDC25C

Calculated MW
53365 MW KDa

Application Details
Western blot, 0.1-0.5 µg/ml, Human, Rat

Subcellular Localization
Nucleus .

Protein Name
M-phase inducer phosphatase 3

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

Immunogen
E.coli-derived human Cdc25C recombinant protein (Position: K175-P473). Human Cdc25C shares 78.2% amino acid (aa) sequence identity with mouse Cdc25C.

Purification
Immunogen affinity purified.

Cross Reactivity
No cross reactivity with other proteins.

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Storage	**At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.**

Anti-Cdc25C Picoband Antibody - Protein Information

Name CDC25C

Function
Functions as a dosage-dependent inducer in mitotic control. Tyrosine protein phosphatase required for progression of the cell cycle (PubMed:8119945). When phosphorylated, highly effective in activating G2 cells into prophase (PubMed:8119945). Directly dephosphorylates CDK1 and activates its kinase activity (PubMed:8119945).

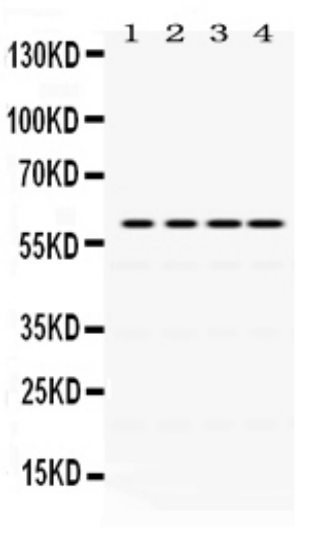
Cellular Location
Nucleus

Anti-Cdc25C Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Cdc25C Picoband Antibody - Images



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Anti- Cdc25C Picoband antibody, ABO12442, Western blottingAll lanes: Anti Cdc25C (ABO12442) at 0.5ug/mlLane 1: Rat Ovary Tissue Lysate at 50ugLane 2: Rat Liver Tissue Lysate at 50ugLane 3: HELA Whole Cell Lysate at 40ugLane 4: SW620 Whole Cell Lysate at 40ugPredicted bind size: 60KDObserved bind size: 60KD

Anti-Cdc25C Picoband Antibody - Background

M-phase inducer phosphatase 3 is an enzyme that in humans is encoded by the CDC25C gene. This gene is highly conserved during evolution and it plays a key role in the regulation of cell division. The encoded protein is a tyrosine phosphatase and belongs to the Cdc25 phosphatase family. It directs dephosphorylation of cyclin B-bound CDC2 (CDK1) and triggers entry into mitosis. Also, it is thought to suppress p53-induced growth arrest. Multiple alternatively spliced transcript variants of this gene have been described, however, the full-length nature of many of them is not known.