

Anti-Cdc25C Picoband Antibody

Catalog # ABO12442

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.

Additional Information

Gene ID	995
Other Names	M-phase inducer phosphatase 3, 3.1.3.48, Dual specificity phosphatase Cdc25C, CDC25C
Calculated MW	53365
Application Details	Western blot, 0.1-0.5 µg/ml, Human, Rat
Subcellular Localization	Nucleus .
Source	Eukaryota
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.
Storage	At -20 °C for one year. After reconstitution, 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.

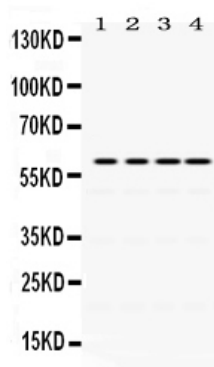
Protein Information

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

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.

Images



Anti- Cdc25C Picoband antibody, ABO12442, Western blotting
All lanes: Anti Cdc25C (ABO12442) at 0.5ug/ml
Lane 1: Rat Ovary Tissue Lysate at 50ug
Lane 2: Rat Liver Tissue Lysate at 50ug
Lane 3: HELA Whole Cell Lysate at 40ug
Lane 4: SW620 Whole Cell Lysate at 40ug
Predicted bind size: 60KD
Observed bind size: 60KD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.