

Recombinant Cdc25C Monoclonal Antibody

catalog number: **AN301883L**

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

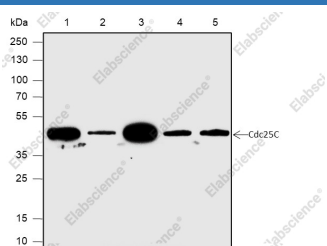
Reactivity	Human;Mouse;Rat
Immunogen	Recombinant human Cdc25C fragment
Host	Rabbit
Isotype	Rabbit IgG
Clone	C131504
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

Recommended Dilution

WB	1:500-1:2000
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Data



Western Blot with Cdc25C Monoclonal Antibody at dilution of 1:2000. Lane 1: HeLa, Lane 2: K562, Lane 3: HEK293, Lane 4: NIH/3T3, Lane 5: C6

Observed-MW:53 kDa

Calculated-MW:53 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

Cdc25C is a protein phosphatase responsible for dephosphorylating and activating cdc2, a crucial step in regulating the entry of all eukaryotic cells into mitosis. Cdc25C is constitutively phosphorylated at Ser216 throughout interphase by c-TAK1, while phosphorylation at this site is DNA damage-dependent at the G2/M checkpoint. When phosphorylated at Ser216, Cdc25C binds to members of the 14-3-3 family of proteins, sequestering Cdc25C in the cytoplasm and thereby preventing premature mitosis. The checkpoint kinases Chk1 and Chk2 phosphorylate Cdc25C at Ser216 in response to DNA damage.

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