

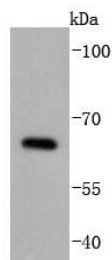
Anti-CDC25B Antibody (30375)

Product Details

| | |
|-------------------|------------------------|
| Ig Type: | IgG |
| Reactivity: | Human |
| Conjugation: | Unconjugated |
| Molecular Weight: | Theoretical: 65 kDa. |
| Clone: | 30375 |
| Purification: | ProA affinity purified |

Applications

Verified Activity: 1. Western blot analysis of Cdc25B on THP-1 cells lysates using anti-Cdc25B antibody at 1/1,000 dilution.



| | |
|--------------|-----------------|
| Application: | IP, WB |
| Recommended | WB: 1:1000-2000 |

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping: Shipping with blue ice.

Antigen Details

| | |
|-------------|--|
| Immunogen: | Recombinant Protein |
| Uniprot ID: | P30305 |
| Synonyms: | Cell division cycle 25B isoform 2; A1604853; EC 3.1.3.48; Cdc 25B; CDC25HU2; Cell division cycle 25 homolog B; Cell division cycle 25B isoform 4; Cell division cycle 25B isoform 5; Cdc25m2; M phase inducer phosphatase 2; M-phase inducer phosphatase 2; Dual specificity phosphatase Cdc25B; Cell division cycle 25B isoform 3; Cell division cycle 25B isoform 1; Cell division cycle 25B |

Research Background

The Cdc2/cyclin B enzyme, involved in regulation of mitosis in eukaryotic cells, is subject to multiple levels of control. Among these, the regulation of the catalytic subunit by Tyrosine phosphorylation is the best understood. Tyrosine phosphorylation inhibits the Cdc2/cyclin B complex, while Tyrosine dephosphorylation, which occurs at the onset of mitosis, directly activates the pre-MPH complex. The Cdc25 gene serves as a rate-limiting mitotic activator, apparently due to its action as the Cdc2 Tyrosine phosphatase. In the absence of Cdc25, Cdc2 accumulates in a Tyrosine phosphorylated state. In addition, Cdc25 proteins from a variety of species have been shown to share a low

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degree of sequence similarity with other Tyrosine phosphatases. The Cdc25 gene family consists of at least three members that share approximately 40% identity in their most conserved carboxy-terminal sequences.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481