Data Sheet (Cat.No.TMAC-00766)

TargetMol

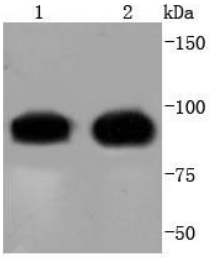
Anti-CDC27 Antibody (9S524)

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 92 kDa.
Clone:	9S524
Purification:	ProA affinity purified

Applications

Verified Activity: 1. Western blot analysis of Cdc27 on different lysates using anti-Cdc27 antibody at 1/1,000 dilution. Positive control: Lane 1: Hela, Lane 2: K562.



Application:	WB
Recommended	WB: 1:1000-5000

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:	P30260
Synonyms:	H-NUC;CDC27 homolog;Anaphase-promoting complex subunit 3;Cell Division Cycle 27; Anaphase Promoting Complex Subunit 3;CDC27_HUMAN;ANAPC3;APC3;Cdc27;HNUC;Cdc 27; CDC27Hs;Cell division cycle protein 27 homolog;Anaphase Promoting Complex 3;D17S978E; Anaphase promoting complex protein 3;D0S1430E;H NUC;Nuc2 homolog;APC 3

Research Background

n the cell cycle. Cdc25A, Cdc25B and Cdc25C protein tyrosine phosphatases function as mitotic activators by dephosphorylating Cdc2 p34 on regulatory tyrosine residues. Cdc6 is the human homolog of Saccharomyces cerevisiae Cdc6, which is involved in the initiation of DNA replication. Cdc37 appears to facilitate Cdk4/cyclin D1 complex formation and has been shown to form a stable complex with Hsp90. Cdc34, Cdc27 and Cdc16 function as ubiquitin-conjugating enzymes. Cdc34 is thought to be the structural and functional homolog of Saccharomyces cerevisiae Cdc34, which is essential for the G1 to S phase transition. Cdc16 and Cdc27 are components of the APC

(anaphase-promoting complex) which ubiquitinates cyclin B, resulting in cyclin B/Cdk complex degradation.

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