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Image



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Overview

Quantity:	200 μL
Target:	Cyclin A1 (CCNA1)
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cyclin A1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein of human CCNA1 (NP_001104515.1).
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

Target Details

Target:	Cyclin A1 (CCNA1)
Alternative Name:	CCNA1 (CCNA1 Products)
Background:	The protein encoded by this gene belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each

mitotic event. The cyclin encoded by this gene was shown to be expressed in testis and brain, as well as in several leukemic cell lines, and is thought to primarily function in the control of the germline meiotic cell cycle. This cyclin binds both CDK2 and CDC2 kinases, which give two distinct kinase activities, one appearing in S phase, the other in G2, and thus regulate separate functions in cell cycle. This cyclin was found to bind to important cell cycle regulators, such as Rb family proteins, transcription factor E2F-1, and the p21 family proteins. Multiple transcript variants encoding different isoforms have been found for this gene.

Molecular Weight: Observed_MW: 52 kDa

Calculated_MW: 47 kDa/52 kDa

Gene ID: 8900

UniProt: P78396

Pathways: Apoptosis, Cell Division Cycle, AMPK Signaling, Mitotic G1-G1/S Phases, DNA Replication, M

Phase, Synthesis of DNA

Application Details

Application Notes: WB 1:500-1:2000

Restrictions: For Research Use only

Handling

Storage:

Format:

Concentration:

1 mg/mL

Buffer:

PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3

Preservative:

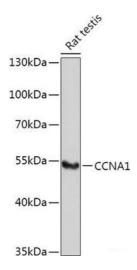
Sodium azide

Precaution of Use:

This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

-20 °C



Western Blotting

Image 1. Western blot analysis of extracts of Rat testis using CCNA1 Polyclonal Antibody at dilution of 1:1000.