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Datasheet for ABIN6990652

**anti-Cyclin O antibody (AA 90-140)**

## Overview

Quantity:	0.1 mg
Target:	Cyclin O (CCNO)
Binding Specificity:	AA 90-140
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cyclin O antibody is un-conjugated
Application:	ELISA, Western Blotting (WB)

## Product Details

Immunogen:	Cyclin O antibody was raised against a 13 amino acid synthetic peptide from near the center of human Cyclin O. The immunogen is located within amino acids 90 - 140 of Cyclin O.
Isotype:	IgG
Specificity:	At least two isoforms of Cyclin O are known to exist, this antibody will recognize both isoforms.
Purification:	Cyclin O Antibody is affinity chromatography purified via peptide column.

## Target Details

Target:	Cyclin O (CCNO)
Alternative Name:	Cyclin O ( <a href="#">CCNO Products</a> )
Background:	Cyclin O Antibody: Cyclin O, also known as CCNO, has recently been identified as a Cdk1- and

## Target Details

Cdk2-activating cyclin specific to apoptosis in lymphoid cells. Cyclin O binds to and activates Cdk2 in response to intrinsic apoptotic stimuli such as glucocorticoids or DNA-damaging agents. Suppression of Cyclin O expression by shRNA leads to the inhibition of glucocorticoid and DNA-damage-induced apoptosis due to a failure of apical caspase activation while leaving the CD95 death receptor-mediated apoptosis intact. Note: this gene, which had a previous symbol of UNG2, was erroneously identified as a uracil DNA glycosylase. A later publication identified this gene's product as a cyclin protein family member.

Molecular Weight: 39 kDa

Gene ID: 10309

NCBI Accession: [NP\\_066970](#)

UniProt: [P22674](#)

## Application Details

Application Notes: Cyclin O antibody can be used for the detection of Cyclin O by Western blot at 1 - 2 µg/mL.

Antibody validated: Western Blot in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: Cyclin O Antibody is supplied in PBS containing 0.02 % sodium azide.

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: -20 °C, 4 °C

Storage Comment: Cyclin O antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.