

Datasheet for ABIN6991328
anti-CDC23 antibody (AA 270-320)



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Overview

Quantity:	0.1 mg
Target:	CDC23
Binding Specificity:	AA 270-320
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDC23 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC)

Product Details

Immunogen:	APC8 antibody was raised against a 17 amino acid synthetic peptide near the center of human APC8. The immunogen is located within amino acids 270 - 320 of APC8.
Isotype:	IgG
Purification:	APC8 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	CDC23
Alternative Name:	APC8 (CDC23 Products)
Background:	APC8 Antibody: Cell cycle regulated protein ubiquitination and degradation within subcellular domains is thought to be essential for the normal progression of mitosis. APC8 is a highly conserved component of the anaphase promoting complex/cyclosome (APC/C), a cell cycle-

Target Details

regulated E3 ubiquitin ligase that controls progression through mitosis and the G1 phase of the cell cycle. APC/C is responsible for degrading anaphase inhibitors, mitotic cyclins, and spindle-associated proteins ensuring that events of mitosis take place in proper sequence. The individual APC/C components mRNA and protein levels are expressed at approximately the same levels in most tissues and cell lines, suggesting that they perform their functions as part of a complex. In *Drosophila*, silencing of APC8 results in developmental delay and pupal lethality with elevated levels of apoptosis, high mitotic index, and delayed or blocked mitosis.

Gene ID: 8697

UniProt: [Q9UJX2](#)

Pathways: [Protein targeting to Nucleus](#)

Application Details

Application Notes: APC8 antibody can be used for detection of APC8 by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunocytochemistry starting at 5 µg/mL.

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

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: APC8 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: APC8 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.