

Datasheet for ABIN783825
anti-CDC23 antibody (Center)



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1 Image

Overview

Quantity:	0.1 mg
Target:	CDC23
Binding Specificity:	Center
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDC23 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	17 amino acid peptide near the center of human APC8
Cross-Reactivity (Details):	Species reactivity (tested): Human, mouse, rat
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	CDC23
Alternative Name:	CDC23 / APC8 (CDC23 Products)
Background:	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-regulated E3 ubiquitin ligase that controls progression through mitosis and the G1 phase of the cell cycle.

Target Details

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. Synonyms: ANAPC8, Anaphase-promoting complex subunit 8, Cell division cycle protein 23 homolog, Cyclosome subunit 8

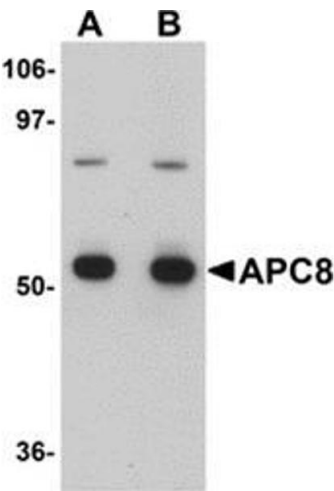
Gene ID:	8697
NCBI Accession:	NP_004652
UniProt:	Q9UJX2
Pathways:	Protein targeting to Nucleus

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	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.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store the antibody (in aliquots) at -20 °C.



Western Blotting

Image 1. Western blot analysis of APC8 in K562 cell lysate with APC8 antibody at (A) 1 and (B) 2 µg/ml.