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Datasheet for 600-401-Y37

APC8 Antibody

Overview

Description:	Anti-APC8 (RABBIT) Antibody - 600-401-Y37
Item No.:	600-401-Y37
Size:	100 µg
Applications:	ELISA, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

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. 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:	APC8 Antibody, APC8, CUT23, ANAPC8, Cell division cycle protein 23 homolog, Anaphase-promoting complex subunit 8, APC8
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	CDC23
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-APC8 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid synthetic peptide near the internal region of human APC8.
Purity/Specificity:	Anti-APC8 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with APC8 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q9UJX2 • GeneID - 8697 • NCBI - NP_004652.2

Application Details

Tested Applications:	ELISA, IHC, WB
Application Note:	Anti-APC8 Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 69 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
WB:	1 - 2 µg/mL

Formulation

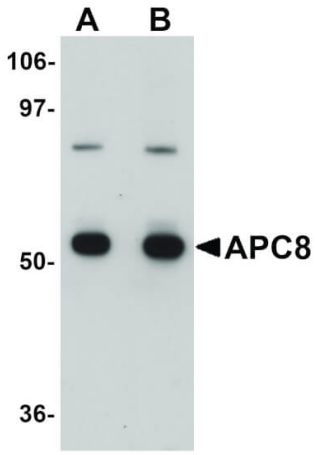
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images

Immunohistochemistry
Immunocytochemistry of APC8 antibody. Tissue: K562 cells. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: APC8 antibody at 5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: APC8 is cytosolic. Staining: APC8 as precipitated brown signal with blue counterstain.



Western Blot
Western Blot of APC8 antibody. Lane 1: K562 cell lysate with APC8 antibody at 1 µg/mL. Lane 2: K562 cell lysate with APC8 antibody at 2 µg/mL. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 69 kDa, 55 kDa for APC8. Other band(s): APC8 splice variants and isoforms.

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