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Datasheet for ABIN1712104
anti-ANAPC11 antibody (AA 1-84) (HRP)

Overview

Quantity:	100 µL
Target:	ANAPC11
Binding Specificity:	AA 1-84
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ANAPC11 antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human APC11
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Dog, Sheep, Pig
Purification:	Purified by Protein A.

Target Details

Target:	ANAPC11
Alternative Name:	APC11 (ANAPC11 Products)
Background:	Synonyms: ANAPC 11, ANAPC11, Anaphase promoting complex subunit 11, Anaphase

Target Details

promoting complex subunit 11 homolog yeast, Anaphase promoting complex subunit 11 homolog, Anaphase-promoting complex subunit 11, Apc 11, Apc 11p, APC11 anaphase promoting complex subunit 11 homolog yeast, APC11 anaphase promoting complex subunit 11 homolog, APC11, APC11_HUMAN, Apc11p, Cyclosome subunit 11, Hepatocellular carcinoma associated RING finger protein, Hepatocellular carcinoma-associated RING finger protein, HSPC 214, HSPC214, MGC882, Yeast APC 11 homolog, Yeast APC11 homolog.

Background: Comprising more than ten subunits, the anaphase-promoting complex (APC) acts in a cell-cycle dependent manner to promote the separation of sister chromatids during the transition between metaphase and anaphase in mitosis. APC, or cyclosome, accomplishes this progression through the ubiquitination of mitotic cyclins and other regulatory proteins that are targeted for destruction during cell division. APC is phosphorylated, and thus activated, by protein kinases Cdk1/cyclin B and polo-like kinase (Plk). APC is under tight control by a number of regulatory factors, including CDC20, CDH1 and MAD2. Specifically, CDC20 and CDH1 directly bind to APC and activates APC's cyclin-ubiquitination activity. In contrast, MAD2 inhibits APC by forming a ternary complex with CDC20 and APC, thus preventing APC activation. APC11 is a RING-H2 finger protein that allows for the synthesis of multiubiquitin chains in the presence of Ubiquitin carrier protein 4 (Ubc4) and ubiquitin conjugating enzyme (E2). In addition, a heterodimeric complex of either Ubc4 or UbcH10 with APC11 and APC2 catalyzes the ubiquitination of human securin and cyclin B1.

Gene ID: 51529

Application Details

Application Notes: WB 1:300-5000
IHC-P 1:200-400
IHC-F 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Handling Advice:	Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months