ANTIBODIES ONLINE

Datasheet for ABIN7160084
anti-BUB1 antibody (AA 256-577)

1	Image

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Overview

Quantity:	100 μg
Target:	BUB1
Binding Specificity:	AA 256-577
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BUB1 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human Mitotic checkpoint serine/threonine-protein kinase BUB1 protein (256-577AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	BUB1
Alternative Name:	BUB1 (BUB1 Products)
Background:	Background: Serine/threonine-protein kinase that performs 2 crucial functions during mitosis: it

Target Details

is essential for spindle-assembly checkpoint signaling and for correct chromosome alignment. Has a key role in the assembly of checkpoint proteins at the kinetochore, being required for the subsequent localization of CENPF, BUB1B, CENPE and MAD2L1. Required for the kinetochore localization of PLK1. Plays an important role in defining SGO1 localization and thereby affects sister chromatid cohesion. Acts as a substrate for anaphase-promoting complex or cyclosome (APC/C) in complex with its activator CDH1 (APC/C-Cdh1). Necessary for ensuring proper chromosome segregation and binding to BUB3 is essential for this function. Can regulate chromosome segregation in a kinetochore-independent manner. Can phosphorylate BUB3. The BUB1-BUB3 complex plays a role in the inhibition of APC/C when spindle-assembly checkpoint is activated and inhibits the ubiquitin ligase activity of APC/C by phosphorylating its activator CDC20. This complex can also phosphorylate MAD1L1. Kinase activity is essential for inhibition of APC/CCDC20 and for chromosome alignment but does not play a major role in the spindle-assembly checkpoint activity. Mediates cell death in response to chromosome missegregation and acts to suppress spontaneous tumorigenesis.

Aliases: Bub1 antibody, BUB1 budding uninhibited by benzimidazoles 1 homolog antibody, BUB1 budding uninhibited by benzimidazoles 1 homolog (yeast) antibody, BUB1 mitotic checkpoint serine/threonine kinase antibody, BUB1, S. cerevisiae, homolog of antibody, BUB1_HUMAN antibody, BUB1A antibody, BUB1L antibody, Budding uninhibited by benzimidazoles 1 (yeast homolog) antibody, Budding uninhibited by benzimidazoles 1 homolog antibody, Budding uninhibited by benzimidazoles 1, S. cerevisiae, homolog of antibody, hBUB1 antibody, Homolog of mitotic checkpoint gene BUB1 antibody, Mitotic checkpoint gene BUB1 antibody, Mitotic checkpoint serine/threonine protein kinase BUB1 antibody, Mitotic checkpoint serine/threonine-protein kinase BUB1 antibody, Mitotic spindle checkpoint kinase antibody, Putative serine/threonine protein kinase antibody

UniProt:	O43683

Application Details

Application Notes:	Recommended dilution: IHC:1:20-1:200,
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300
	Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Handling

Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images
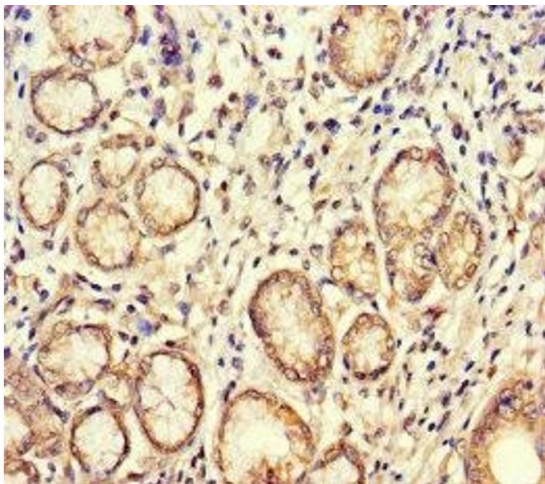
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human gastric cancer using ABIN7160084 at dilution of 1:100