BUB1 polyclonal antibody

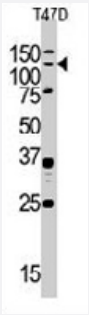
Catalog # PAB3262 Size 400 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with BUB1 polyclonal antibody (Cat # PAB3262) , which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma.



Western Blot (Cell lysate)

Western blot analysis of BUB1 polyclonal antibody (Cat # PAB3262) in T-47D cell line lysate. BUB1 (arrow) was detected using the purified polyclonal antibody.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of BUB1.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human BUB1.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification

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Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-100) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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Gene Info — BUB1

Entrez GeneID	699
Protein Accession#	O43683
Gene Name	BUB1
Gene Alias	BUB1A, BUB1L, hBUB1
Gene Description	budding uninhibited by benzimidazoles 1 homolog (yeast)
Omim ID	602452
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a kinase involved in spindle checkpoint function. The kinase functions in part b y phosphorylating a member of the miotic checkpoint complex and activating the spindle checkpoi nt. Mutations in this gene have been associated with aneuploidy and several forms of cancer. [pro vided by RefSeq
Other Designations	BUB1 budding uninhibited by benzimidazoles 1 homolog|budding uninhibited by benzimidazoles 1|mitotic spindle checkpoint kinase|putative serine/threonine-protein kinase

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Publication Reference

- The beta2-adaptin clathrin adaptor interacts with the mitotic checkpoint kinase BubR1.

  Cayrol C, Cougoule C, Wright M.

  Biochemical and Biophysical Research Communications 2002 Nov; 298(5):720.

- Genetic and epigenetic inactivation of mitotic checkpoint genes hBUB1 and hBUBR1 and their relationship to survival.

  Shichiri M, Yoshinaga K, Hisatomi H, Sugihara K, Hirata Y.

  Cancer Research 2002 Jan; 62(1):13.

Pathway

- Cell cycle

Disease

- Alcoholism
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Conduct Disorder
- Genetic Predisposition to Disease
- Ovarian Neoplasms

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