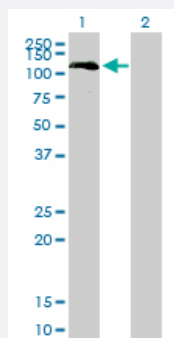


BUB1 monoclonal antibody (M01), clone 4C3-4C9

Catalog # H00000699-M01

Size 100 ug

Applications

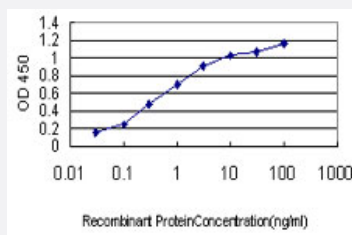


Western Blot (Transfected lysate)

Western Blot analysis of BUB1 expression in transfected 293T cell line by BUB1 monoclonal antibody (M01), clone 4C3-4C9.

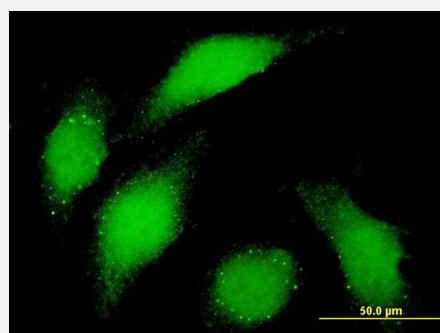
Lane 1: BUB1 transfected lysate (122.4 kDa).

Lane 2: Non-transfected lysate.



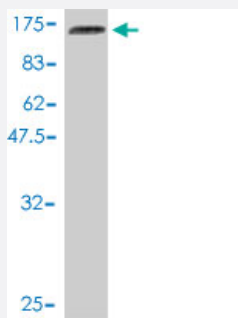
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged BUB1 is approximately 0.03 ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to BUB1 on HeLa cell . [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (145.09 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant BUB1.
Immunogen	BUB1 (AAH28201.1, 1 a.a. ~ 1085 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MDTPENVLQMLEAHMQSYKGNDPLGVWERYQWVEENFPENKEYLITLLEHLMKEFLDKKKYHN DPRFISYCLKFAEYNSDLRQFFFLYNHGIGTLSSPLYAWAGHLEAQGELQHASAVLQRGIQNQAE PREFLQQQYRLFQTRLTETHLPAQARTSEPLHNVQVLNQMITSKSNPGNNMACISKNNQGSSELSGVI SSACDKESNMERRVITISKSEYSVHSSLASKVDVEQVVMYCKEKLIRGESEFSFEELRAQKYNQR RKHEQWVNEDRHYMKRKEANAFEEQLLKQKMDLHKKLHQVVETSHEDLPASQERSEVNP MGPSVGSQQELRAPCLPVTYQQTPVNMEKNPREAPPVVPPLANAIASALVSPATSQSIAPPVPL KAQTVTDSMFVASKDAGCVNKSTHEFKPQSGAEIKEGCETHKVANTSSFHHTPNTSLGMVQAT PSKVQPSPTVHTKEALGFIMNMFQAPTLPDISDDKDEWQSLDQNEFAEQFQKNVRSSGAWG VNKISSLSSAFHVFEDGNKENYGLPQPKNKPTGARTFGERSVSRLPSKPKEEVPHAEFLDDST VWGIRCNTLAPSPKSPGDFTSAAQLASTPFHKL PVESVHILEDKENVAKQCTQATLDSCEEN MVVPSRDGKFSPIQEKSPKQALSSHMYASLLRLSQPAAGGVL TCEAELGVEACRLTDTDAIAE DPPDAIAGLQAEWMQMSSLGTVDA PN FIVGNPWDDKLIFKLLSGLSKPVSSYPNTFEWQCKLPAI KPKTEFQLGSKLVYVHLLGEGAFQVYEATQGD LND AKNKQKFVLKVQKPANPWEFYGTQLM ERLKPSMQHMFMKFYSAHLFQNGSVLVGELYSYGTLLNAINLYKNTPEKVMPQGLVISFAMRMLY MIEQVHDCEIHHGDIKPDNFILGNGFLEQDDEDDL SAGLALIDLQSIDMKLFPKGTIFTAKCETSGF QCVEMLSNKPWNYQIDYFGVAATVYCMLFGTYMKVKNEGGECKPEGLFRRLPHLDMWNEFFHV MLNIPDCHHLPSLDLLRQKLKKVFQQHYTNKIRALRNRLMLLLECKRSRK
Host	Mouse
Reactivity	Human
Isotype	IgG1 kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (145.09 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of BUB1 expression in transfected 293T cell line by BUB1 monoclonal antibody (M01), clone 4C3-4C9.

Lane 1: BUB1 transfected lysate(122.4 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged BUB1 is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to BUB1 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — BUB1

Entrez GeneID [699](#)

GeneBank Accession# [BC028201](#)

Protein Accession# [AAH28201.1](#)

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 by phosphorylating a member of the mitotic checkpoint complex and activating the spindle checkpoint. Mutations in this gene have been associated with aneuploidy and several forms of cancer. [provided 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

Pathway

- [Cell cycle](#)

Disease

- [Alcoholism](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Conduct Disorder](#)
- [Genetic Predisposition to Disease](#)
- [Ovarian Neoplasms](#)