Anti-BUBR1 Kinase (MOUSE) Monoclonal Antibody - 200-301-902

Code: 200-301-902 **Size:** 100 µg

Product Description: Anti-BUBR1 Kinase (MOUSE) Monoclonal Antibody - 200-301-902

Concentration: 1.0 mg/mL by UV absorbance at 280 nm

PhysicalState: Liquid (sterile filtered)

Label	Unconjugated
Host	Mouse
Gene Name	BUBR1
Species Reactivity	human
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Stabilizer	None
Preservative	0.01% (w/v) Sodium Azide
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.
Synonyms	Beta homolg of S. cerevisiae budding uninhibited by benzimidazoles antibody, BUB1 budding uninhibited by benzimidazoles 1 homolog beta antibody, Bub1A antibody
Application Note	This protein A purified antibody has been tested for use in immunoprecipitation, immunofluorescence staining and western blot and is capable of detecting endogenous protein. Specific conditions for reactivity should be optimized by the end user. Expect a predominant band at ~ 120 kDa corresponding to full-length protein by western blotting in the appropriate cell lysate or extract. Higher MW bands may be seen that may be due to hyper-phosphorylation of the protein. The use of HeLa whole cell lysates is recommended as a positive control. For IF microscopy use cells grown on cover slips fixed with 3.5% paraformaldehyde in PBS at pH 6.8. Permeabilize fixed cells with 0.2% Triton X-100 in 25 mM Tris Cl, pH 7.4 containing 0.1% BSA.
Background	BUBR1 Kinase (also called Mitotic checkpoint serine/threonine-protein kinase, BUB1 beta, MAD3/BUB1-related protein kinase, Mitotic checkpoint kinase MAD3L and SSK1) is a probable component of the mitotic checkpoint that delays anaphase until all chromosomes are properly attached to the mitotic spindle. This protein can interact with BUB3, CENP-F, CENP-E and mitosin. BUBR1 Kinase is found within the cytoplasm in interphase cells, but when bound to BUB3 or CENP-E, it can be localized to nuclear kinetochores. This protein is highly expressed in thymus followed by spleen. Defects in BUB1B are associated with tumor formation.
Purity And Specificity	This Protein A purified antibody is directed against human BUBR1 Kinase protein. The product was purified from tissue culture supernatant by chromatography. This antibody has only been tested on human cells. Reactivity against homologues from other sources is not known.
Assay Dilutions	User Optimized
ELISA	1:5,000 - 1:20,000
WESTERN BLOT	1:200 - 1:1,000
IFMICROSCOPY	1:200 - 1:1,000
OTHER ASSAYS	User Optimized
Expiration	Expiration date is one (1) year from date of opening.
Immunogen	This protein A purified monoclonal antibody was produced by repeated immunizations with a recombinant protein corresponding to amino acid residues 1-350 of human BUBR1 Kinase protein.

Related Products

200-301-901	Anti-CENP-E (MOUSE) Monoclonal Antibody - 200-301-901
610-132-121	Anti-MOUSE IgG (H&L) (GOAT) Antibody IRDye® 800 Conjugated (Min X Bv Ch Gt GP Ham Hs Hu Rb Rt & Sh Serum Proteins) - 610-132-121

610-4302	Anti-MOUSE IgG (H&L) (RABBIT) Antibody Peroxidase Conjugated - 610-4302
B501-0500	BLOTTO Immunoanalytical Grade (Non-Fat Dry Milk) - B501-0500

Related Links

NCBI	http://www.ncbi.nlm.nih.gov/protein/O60566.3
NCBI - O60566.3	http://www.ncbi.nlm.nih.gov/protein/O60566.3
UniProt - O60566	http://www.uniprot.org/uniprot/O60566
Gene ID - 701	http://www.ncbi.nlm.nih.gov/gene/701

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