

AB-PK552

BUB1B-pS670 Antibody

Phosphosite-specific polyclonal antibody for monitoring the phosphorylation of human protein-serine/threonine kinase BUB1B (Bub1R)



KINEXUS

Address: 8755 Ash Street, Suite 1
Vancouver, British Columbia,
Canada V6P 6T3

Email: info@kinexus.ca
Phone: 604-323-2547

Target Protein

Name Long:	Mitotic checkpoint serine/threonine-protein kinase BUB1 beta
Alias:	BUB1 budding uninhibited by benzimidazoles 1 homologue beta (yeast); HBUBR1; Kinase BubR1; MAD3/BUB1-related protein kinase; MAD3L; SSK1; Bub1A; hBUBR1; BUB1beta; hBUBR1; CCDS10053.1; ENSG00000156970
UniProt ID:	O60566
Sequence Predicted Mass (KDa):	121.386 (1064 AA; O60566-3); 119.545 (1050 AA; O60566); 105.890 (933 AA; O60566-2)
Observed SDS-PAGE Mass (KDa):	115-130

Immunogen

Antibody Immunogen Source:	Human BUB1B (Bub1R) sequence peptide Cat. No.: PE-04AIY99
Antibody Immunogen Sequence:	KKL(pS)PII(bA)C (bA) = beta-alanine
Location in Target:	Corresponds to amino acid residues K667 to I673; Just before kinase catalytic domain. This is the major in vivo phosphorylation sites.
Peptide Type:	For phosphosite-specific recognition of target.
Target Phosphosite:	Ser-670

Production

Antibody Host Species:	Rabbit
Antibody Type:	Polyclonal
Antibody Ig Isotype Clone Lot:	Immunoglobulin G
Production Method:	The immunizing peptide was produced by solid phase synthesis on a multipепptide synthesizer and purified by reverse-phase hplc chromatography. Purity was assessed by analytical hplc and the amino acid sequence confirmed by mass spectrometry analysis. This peptide was coupled to KLH prior to immunization into rabbits. New Zealand White rabbits were subcutaneously injected with KLH-coupled immunizing peptide every 4 weeks for 4 months. The sera from each animal was applied onto an agarose column to which the immunogen peptide was thio-linked. Antibody was eluted from the column with 0.1 M glycine, pH 2.5. Subsequently, the antibody solution was neutralized to pH 7.0 with saturated Tris. This antibody was also subject to negative purification over phosphotyrosine-agarose.
Antibody Amount:	25 µg
Antibody Concentration:	1 mg/ml
Lot Number:	141107
Storage Buffer:	Phosphate buffered saline (PBS) pH7.4, 0.05% Thimerazol
Storage Conditions and Stability:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

AB-PK552

BUB1B-pS670 Antibody



KINEXUS

Address: 8755 Ash Street, Suite 1
Vancouver, British Columbia,
Canada V6P 6T3

Email: info@kinexus.ca
Phone: 604-323-2547

Applications

Product Use:	Western blotting Antibody microarrays
Antibody Dilution Recommended:	2 µg/ml for immunoblotting
Antibody Species Reactivity:	Human, mouse, rat and many other mammals
Antibody Positive Controls:	Strong immunoreactivity with immunogen peptide on dot blots.
Detection by Immunoblotting in Cell/Tissue Lysates:	Medium immunoreactivity of a target-sized protein by Western blotting in HeLa and T98G cells.
Overall Antibody Specificity:	High-very high selectivity
Antibody Cross Reactivities:	No significant cross-reactive proteins detected in T98G cells, but a strong ~80 KDa protein was evident in HeLa cells, and a strong ~70 KDa protein was seen in sea star oocytes.

This product is for in vitro research use only and is not intended for use in humans or animals.

For more information on our products please visit www.kinexusproducts.ca or contact us at 1-866-KINEXUS(546-3987)