

## DATASHEET

# BTK Mouse Monoclonal Antibody(C3320)

CAT. NO. AMA02932

### KEY FEATURES

Target	BTK	Source / Host	Mouse
Reactivity	Human	Clonality	Monoclonal
Applications	WB, IP	Conjugation	Unconjugated
Form / Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.	Storage	at-20°C

### BACKGROUND

Non-receptor tyrosine kinase indispensable for B lymphocyte development, differentiation and signaling . Binding of antigen to the B-cell antigen receptor (BCR) triggers signaling that ultimately leads to B-cell activation . After BCR engagement and activation at the plasma membrane, phosphorylates PLCG2 at several sites, igniting the downstream signaling pathway through calcium mobilization, followed by activation of the protein kinase C (PKC) family members . PLCG2 phosphorylation is performed in close cooperation with the adapter protein B-cell linker protein BLNK . BTK acts as a platform to bring together a diverse array of signaling proteins and is implicated in cytokine receptor signaling pathways .

### APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IP	1:10 - 1:50

\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

### PRODUCT OVERVIEW

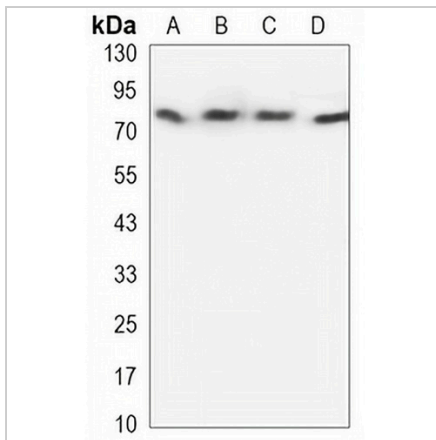
Description	Mouse monoclonal antibody to BTK
Specificity	Recognizes endogenous levels of BTK protein.
Antibody Type	Primary antibody
Immunogen	Purified recombinant human BTK protein fragments expressed in E.coli.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 76 kD; Observed: 76 kD
Form/Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Alternative Names	AGMX1; ATK; BPK; Tyrosine-protein kinase BTK; Agammaglobulinemia tyrosine kinase; ATK; B-cell progenitor kinase; BPK; Bruton tyrosine kinase
Gene Symbol	BTK
Entrez Gene	695(Human)
SwissProt	Q06187(Human)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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**DATA**

Western blot analysis of BTK expression in Daudi (A), K562 (B), Ramos (C), Raji (D) whole cell lysates. (Predicted band size: 76 kD; Observed band size: 76 kD)

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.