BOSTER BIOLOGICAL TECHNOLOGY
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888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Tyrosine-protein kinase BTK BTK Antibody

Catalog Number: A00245

About BTK

Bruton's tyrosine kinase (BTK) was initially identified as a member of the src family for protein-tyrosine kinases that was involved in X-linked agamma-globulinaemia, and has since been shown to involved in a number of signaling pathways in hemapoietic lineage. It has recently been shown to interact with members of the toll-like receptor (TLR) family such as TLR4, 6, 8, and 9. The TLRs are critical molecules in both the innate and adaptive immunity and can recognize diverse microbial pathogens. BTK has also been shown to interact with key proteins involved in TLR4 signal transduction such as MyD88, TIRAP, and IRAK, but not TRAF-6, suggesting that BTK is involved in lipopolysaccharide signal transduction.

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Overview

Product Name	Anti-Tyrosine-protein kinase BTK BTK Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-Tyrosine-protein kinase BTK BTK Antibody (Catalog # A00245). Tested in ELISA, WB, IHC-P, ICC, IF applications. This antibody reacts with Human, Mouse.
Application	ELISA, IF, IHC-P, ICC, WB
Clonality	Polyclonal
Formulation	BTK Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	BTK antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q06187

Technical Details

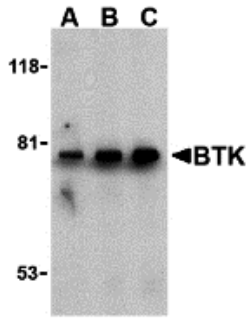
Immunogen	BTK antibody was raised against a synthetic peptide corresponding to 16 amino acids near the amino-terminus of human BTK. The immunogen is located within amino acids 20 - 70 of BTK.
Predicted Reactive Species	Chicken
Cross Reactivity	Multiple isoforms of BTK are known to exist.

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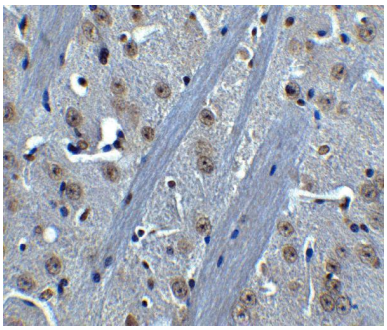
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	BTK Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	BTK antibody can be used for the detection of BTK by Western blot at 0.5 to 2 ug/mL. Antibody can also be used for immunocytochemistry starting at 10 ug/mL and immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 10 ug/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in mouse samples; Immunocytochemistry in human samples and Immunofluorescence in human and mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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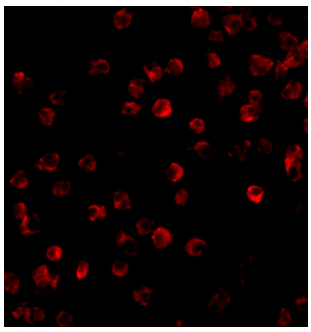
Anti-Tyrosine-protein kinase BTK BTK Antibody (A00245) Images



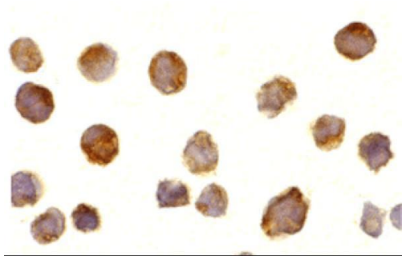
Western blot analysis of BTK in U937 cell lysate with BTK antibody at (A) 0.5, (B) 1, and (C) 2 ug/mL.



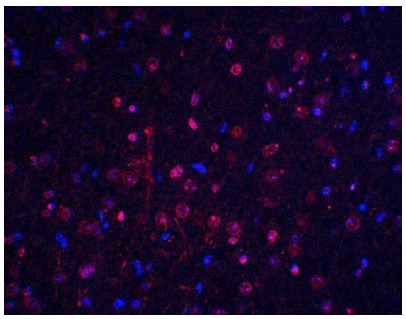
Immunohistochemistry of BTK in mouse brain tissue with BTK antibody at 5 ug/mL.



Immunofluorescence of BTK in Daudi cells with BTK antibody at 10 ug/mL.



Immunocytochemistry of BTK in Daudi cells with BTK antibody at 10 ug/mL.



Immunofluorescence of BTK in mouse brain tissue with BTK antibody at 20 ug/ml.Red: BTK Antibody (A00245) Blue: DAPI staining

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