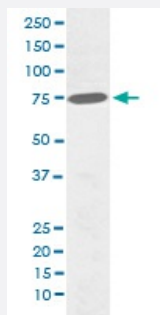


BTK (phospho Y551) monoclonal antibody, clone FII-2

Catalog # MAB20336 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of BTK expression in Jurkat cell lysate treated with Pervanadate.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic phosphopeptide of human BTK.
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding Y551 of human BTK.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.4-0.5 mg/mL BSA, 0.02% sodium azide).
Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of BTK expression in Jurkat cell lysate treated with Pervanadate.

- Immunocytochemistry

- Immunofluorescence

Gene Info — BTK

Entrez GeneID	695
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Protein Accession#	Q06187
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Gene Name	BTK
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Gene Alias	AGMX1, AT, ATK, BPK, IMD1, MGC126261, MGC126262, PSCTK1, XLA
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Gene Description	Bruton agammaglobulinemia tyrosine kinase
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Omim ID	300300 307200
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Gene Ontology	Hyperlink
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Gene Summary	The protein encoded by this gene plays a crucial role in B-cell development. Mutations in this gene cause X-linked agammaglobulinemia type 1, which is an immunodeficiency characterized by the failure to produce mature B lymphocytes, and associated with a failure of Ig heavy chain rearrangement. [provided by RefSeq]
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Other Designations	B-cell progenitor kinase Bruton tyrosine kinase OTTHUMP00000023676 OTTHUMP00000063593 agammaglobulinemia tyrosine kinase dominant-negative kinase-deficient Brutons tyrosine kinase tyrosine-protein kinase BTK
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Pathway

- [B cell receptor signaling pathway](#)
- [Fc epsilon RI signaling pathway](#)

- [Primary immunodeficiency](#)

Disease

- [Agammaglobulinemia](#)
- [Asthma](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Diseases](#)
- [HIV Infections](#)
- [Immunologic Deficiency Syndromes](#)
- [Lymphoproliferative Disorders](#)
- [Myelodysplastic Syndromes](#)
- [Severe Combined Immunodeficiency](#)