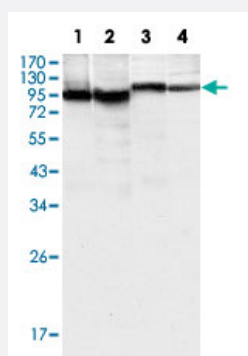


BTK monoclonal antibody, clone 7F12H4

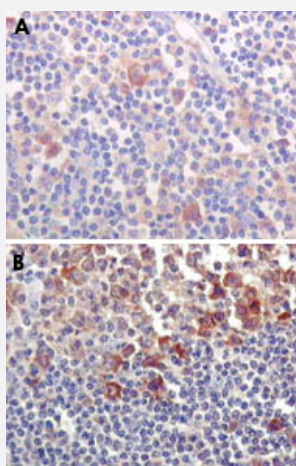
Catalog # MAB10456 Size 100 uL

Applications



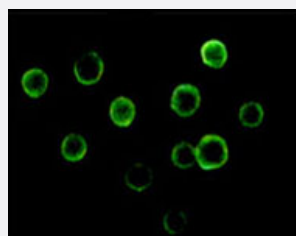
Western Blot (Cell lysate)

Western blot analysis of BTK monoclonal antibody, clone 7F12H4 (Cat # MAB10456) against K-562 (1), MCF-7 (2), Jurkat (3) and HEK293 (4) cell lysate.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human lymph-node tissue (A) and human lymph follicle tissue (B), showing cytoplasmic and membrane localization using BTK monoclonal antibody, clone 7F12H4 (Cat # MAB10456) with DAB staining.



Immunofluorescence

Immunofluorescence analysis of Jurkat cells using BTK monoclonal antibody, clone 7F12H4 (Cat # MAB10456).

Specification

Product Description	Mouse monoclonal antibody raised against recombinant BTK.
Immunogen	Recombinant protein corresponding to human BTK.
Host	Mouse
Theoretical MW (kDa)	77
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) Immunofluorescence (1:200-1:1000) ELISA (1:10000) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascitic (0.03% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to 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 monoclonal antibody, clone 7F12H4 (Cat # MAB10456) against K-562 (1), MCF-7 (2), Jurkat (3) and HEK293 (4) cell lysate.

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- Immunofluorescence

Immunofluorescence analysis of Jurkat cells using BTK monoclonal antibody, clone 7F12H4 (Cat # MAB10456).

- Enzyme-linked Immunoabsorbent Assay

Gene Info — BTK

Entrez GeneID	695
Gene Name	BTK
Gene Alias	AGMX1, AT, ATK, BPK, IMD1, MGC126261, MGC126262, PSCTK1, XLA
Gene Description	Bruton agammaglobulinemia tyrosine kinase
Omim ID	300300 307200
Gene Ontology	Hyperlink
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]
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

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](#)