Mouse BTK Monoclonal Antibody | anti-BTK antibody

BTK antibody

CATALOG #	HOST	APPLICATIONS
AAA106550	**Mouse**	**Western Blot, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

BTK; Monoclonal Antibody; BTK antibody; Monoclonal BTK; Anti-BTK; Bruton agammaglobulinemia tyrosine kinase; ATK; XLA; AGMX1; PSCTK1; Agammaglobulinaemia tyrosine kinase; BPK; B-cell progenitor kinase; AT; IMD1; Tyrosine-protein kinase BTK; anti-BTK antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG3
Clone Number	12H4
Purity/Purification	BTK antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	659
Applicable Applications for anti-BTK antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	BTK 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.
Cross-Reactivity	Human
Immunogen	BTK antibody was raised in mouse using a full length recombinant protein of human BTK (NP_000052) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES

IF (Immunofluorescence)
Immunofluorescent staining of COS7 cells transiently transfected with recombinant BTK protein using BTK antibody

IHC (Immunohiostchemistry)
Immunohistochemical analysis of BTK protein in paraffin embedded Human liver tissue using BTK antibody

WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant BTK protein (Right) or empty vector (Left) detected with BTK antibody

ADDITIONAL INFORMATION

Related Product Information for anti-BTK antibody	Mouse monoclonal BTK antibody
Product Categories/Family for anti-BTK antibody	Differentiation & Development

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557377
NCBI GeneID	695
NCBI Accession #	NP_000052
NCBI GenBank Nucleotide #	NM_000061.2
UniProt Accession #	Q06187; Q32ML5; B2RAW1
Molecular Weight	79,937 Da
NCBI Official Full Name	tyrosine-protein kinase BTK isoform 1
NCBI Official Synonym Full Names	Bruton agammaglobulinemia tyrosine kinase
NCBI Official Symbol	BTK
NCBI Official Synonym Symbols	AT; ATK; BPK; XLA; IMD1; AGMX1; PSCTK1
NCBI Protein Information	tyrosine-protein kinase BTK
UniProt Protein Name	Tyrosine-protein kinase BTK
UniProt Gene Name	**BTK**
UniProt Synonym Gene Names	AGMX1; ATK; BPK; ATK; BPK
UniProt Entry Name	BTK_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/btk-antibody-clone-12h4-western-blot-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/106550