

## Mouse BTK Monoclonal Antibody | anti-BTK antibody

BTK antibody

| CATALOG # | HOST  | APPLICATIONS                                                                             |
|-----------|-------|------------------------------------------------------------------------------------------|
| AAA74749  | 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                                       | IgG2b                                                                                                                                                                                                                                                                      |
| Clone Number                                  | 6H9                                                                                                                                                                                                                                                                        |
| 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 (Immunohistochemistry)

Immunohistochemical analysis of BTK protein in paraffin embedded Carcinoma of Human prostate 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   | <a href="#">Differentiation &amp; Development</a> |

**NCBI AND UNIPROT INFORMATION**

|                                  |                                                                          |
|----------------------------------|--------------------------------------------------------------------------|
| NCBI GI #                        | <a href="#">4557377</a>                                                  |
| NCBI GeneID                      | <a href="#">695</a>                                                      |
| NCBI Accession #                 | <a href="#">NP_000052</a>                                                |
| NCBI GenBank Nucleotide #        | <a href="#">NM_000061.2</a>                                              |
| UniProt Accession #              | <a href="#">Q06187</a> ; <a href="#">Q32ML5</a> ; <a href="#">B2RAW1</a> |
| 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                | <b>BTK</b>                                                               |
| 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-6h9-western-blot-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/74749>