

## anti-Human, Mouse BTK Antibody | anti-BTK antibody

BTK (Ab-222) Antibody

|                               |                                   |                                                                  |
|-------------------------------|-----------------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA109435</b> | REACTIVITY<br><b>Human, Mouse</b> | APPLICATIONS<br><b>ELISA, Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------------------|------------------------------------------------------------------|

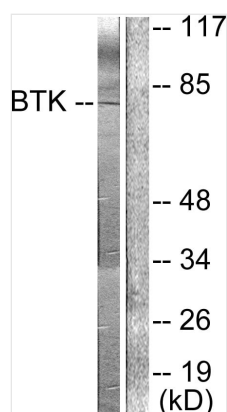
### PRODUCT SYNONYMS

BTK; BTK (Ab-222) Antibody; AGMX1; ATK; Agammaglobulinaemia tyrosine kinase; B cell progenitor kinase; BPK; Bruton's tyrosine kinase; EC 2.7.10.2; Kinase EMB; kinase Btk; anti-BTK antibody

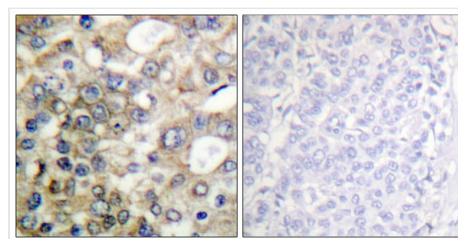
### PRODUCT SPECIFICATIONS

|                                               |                                                                                                                                                        |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                    | Human, Mouse                                                                                                                                           |
| Specificity                                   | BTK (Ab-222) antibody detects endogenous levels of total BTK protein.                                                                                  |
| Purity/Purification                           | Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                   |
| Form/Format                                   | In phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                         |
| Sequence Length                               | 659                                                                                                                                                    |
| Applicable Applications for anti-BTK antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)                                                                                                   |
| Immunogen                                     | The antiserum was produced against synthesized non-phosphopeptide derived from human BTK around the phosphorylation site of tyrosine 222 (A-L-YP-D-Y). |
| Preparation and Storage                       | Store at -20 degree C for 1 year                                                                                                                       |

### IMAGES


**WB (Western Blot)**

Western blot analysis of extracts from HeLa cells, using BTK (Ab-222) antibody.


**IHC (Immunohistochemistry)**

Peptide-+ Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using BTK (Ab-222) antibody.

### ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                   |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Categories/Family for anti-BTK antibody | Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| References | Sulekha Verma, J. Biol. Chem., Feb 2001; 276: 4671-4676. Yan M. Li, Cancer Res., Nov 2003; 63: 7630-7633. Malti Nikrad, Mol. Cancer Ther., Mar 2005; 4: 443-449. Feng Dong, Infect. Immun., Mar 2005; 73: 1861-1864. Hiroo Ueno, Mol. Biol. Cell, Feb 2000; 11: 735. Hidenori Hase, J. Biol. Chem., Nov 2002; 277: 46950-46958. Yasuyuki Hirashima, J. Biol. Chem., Jul 2003; 278: 26793-26802. Mingzhong Yao, J. Neurosci., Feb 2007; 27: 1422-1433. |
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### NCBI AND UNIPROT INFORMATION

|                                  |                                        |
|----------------------------------|----------------------------------------|
| NCBI GI #                        | 4557377                                |
| NCBI GeneID                      | 695                                    |
| NCBI Accession #                 | NP_000052.1                            |
| 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 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              |

**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.