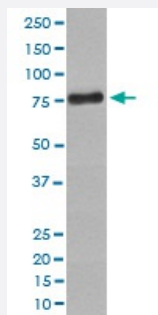


BTK (phospho Y223) monoclonal antibody, clone ECD-2

Catalog # MAB20335 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of BTK expression in Raji 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 Y223 of human BTK.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunoprecipitation (1:20) Western Blot (1:1000-1:2000) 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 Raji cell lysate treated with pervanadate.

- Immunoprecipitation

Gene Info — BTK

Entrez GeneID [695](#)

Protein Accession# [Q06187](#)

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](#)