

## Btk (C-term)

Rabbit Monoclonal Antibody | Product Data Sheet

Catalog# 1599-1

**Quantity:** 100ul

**Clone ID:** Y440

**Species Cross-reactivity\***  Human  Mouse  Rat

**Applications:**  WB  IHC  ICC  IP  FC

**Lot #:** Please refer to vial

**Molecular Wt.:** 77 kDa

**UniProt ID:** Q06187

**Background:** Btk (Bruton tyrosine kinase also known as BPK or ATK) is a member of the TEC family of non-receptor protein tyrosine kinase which includes Bmx, Itk and TEC. Btk is composed of a pleckstrin domain, an SH3 and SH2 domain, a catalytic kinase domain and a TEC homology domain (1). BTK plays a crucial role in B cell activation and development (2). Similar to Etk-TNFR2 interaction, Btk interacts with Fas, a member of the TNFR family involved in apoptosis in a ligand-independent manner (3). Mutations in the Btk gene have been linked to severe developmental blocks in human B-cell ontogeny leading to X-linked agammaglobulinemia (XLA). Patients with this disease are unusually prone to bacterial infection but not to viral infection.

**Specificity:** A synthetic peptide corresponding to residues in the C-term of human Btk was used as immunogen.

**Storage Condition and Buffer:** Store at -20 °C. Buffer: Antibody buffer, sodium azide, glycerol, and BSA. Stable for 12 months from date of receipt.

### Recommended Dilutions:

**WB:** 1:500

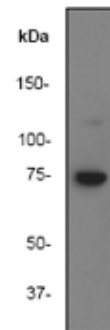
**IP:** 1:20

### Background References:

1. Tsukada, S., Saffaran, D., Rawlings, D. & Witte, O. (1993) Cell 72, 279-290
2. Rawlings, D. J. & Witte, O. N. (1995) Semin. Immunol. 7, 237-246
3. Vassilev, A., Z. Ozer, C. Navara, S. Mahajan, and F. M. Uckun. 1999. J. Biol. Chem. 274:1646-1656
4. Yun Qiu, Dan Robinson, Tom G. Pretlow, and Hsing-Jien Kung, Cell Biology, Vol. 95, Issue 7, 3644-3649, March 31, 1998

\*Cross reactivity determined by western blot only.

Product QC'd by:



**Fig 1. A.** Western blot analysis on Daudi cell lysate using anti-Btk (C-term) RabMAb (cat. #1599-1), 1:500 dilution

For research use only. Not for use in diagnostic or therapeutic applications.

This product was manufactured under U.S. Patent No. 5,675,063. For a complete list of protocols and available related products, please visit [www.epitomics.com](http://www.epitomics.com)  
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