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**anti-Btk**

Cat #: HM1045  
Rabbit polyclonal IgG  
0.2 µg/µl, store at 4 °C

For research use only

**BACKGROUND**

The Btk family of non-receptor tyrosine kinases is composed of at least six members: Tec, Emt (also known as Itk or Tsk), Btk (also known as Atk, BPK or Emb), Bmx, Txk (also known as Rlk) and Dsrc28C. They all contain SH3 and SH2 domains and, with the exception of Txk and Dsrc28C, also contain a pleckstrin homology (PH) and Tec homology (TH) domain in their amino termini. Btk is necessary for proper B cell development, and mutations in Btk gene are associated with agammaglobulinemia, also referred to as Bruton's disease. Agammaglobulinemia is an X-linked immunodeficiency characterized by failure to produce mature B lymphocyte cells and associated with a failure of Ig heavy chain rearrangement.

**SPECIFICITY**

This antibody specifically reacts with Btk of human, mouse and rat origin. It can be used in Western blotting, immunoprecipitation and immunohistochemistry.

Molecular weight of Btk: 77 kDa

**IMMUNOGEN**

A synthetic peptide derived from N-terminus of human Btk protein.

**STORAGE**

This antibody is stable for 12 months when stored at 2-8°C.

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