

**IBTK Antibody (Center) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP10731c****Specification**

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**IBTK Antibody (Center) Blocking peptide - Product Information**

Primary Accession [Q9P2D0](#)

**IBTK Antibody (Center) Blocking peptide - Additional Information**

**Gene ID** 25998

**Other Names**

Inhibitor of Bruton tyrosine kinase, IBtk, IBTK, BTKI, KIAA1417

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**IBTK Antibody (Center) Blocking peptide - Protein Information**

**Name** IBTK

**Synonyms** BTKI, KIAA1417

**Function**

Acts as an inhibitor of BTK tyrosine kinase activity, thereby playing a role in B-cell development. Down-regulates BTK kinase activity, leading to interference with BTK-mediated calcium mobilization and NF-kappa-B-driven transcription.

**Cellular Location**

Cytoplasm. Membrane; Peripheral membrane protein. Note=Translocates to the plasma membrane upon IgM stimulation

**Tissue Location**

Expressed in DeFew, HEK293T, HeLa and in Jurkat, MC3 and NB4 lymphoid cells (at protein level). Isoform 1 is the predominant isoform expressed in all examined tissues and cell lines Highly expressed in hemopoietic tissues (fetal liver, spleen, lymph node, thymus, peripheral blood leukocytes and bone marrow). Weakly or not expressed in other tissues.

## **IBTK Antibody (Center) Blocking peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

## **IBTK Antibody (Center) Blocking peptide - Images**

## **IBTK Antibody (Center) Blocking peptide - Background**

The protein encoded by this gene binds to Bruton's tyrosine kinase (BTK) and downregulates BTK's kinase activity. In addition, the encoded protein disrupts BTK-mediated calcium mobilization and negatively regulates the activation of nuclear factor-kappa-B-driven transcription.

## **IBTK Antibody (Center) Blocking peptide - References**

Fiume, G., et al. Comput Biol Chem 33(6):434-439(2009) Spatuzza, C., et al. Nucleic Acids Res. 36(13):4402-4416(2008) Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :Olsen, J.V., et al. Cell 127(3):635-648(2006) Mungall, A.J., et al. Nature 425(6960):805-811(2003)