

Datasheet for ABIN965673

**anti-BLK antibody****1** Publication[Go to Product page](#)

## Overview

Quantity:	0.1 mL
Target:	BLK
Reactivity:	Human
Host:	Please inquire
Clonality:	Monoclonal
Conjugate:	This BLK antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

## Product Details

Isotype:	IgG2a
Specificity:	Ni-NTA purified truncated recombinant BLK expressed in E. Coli strain BL21 (DE3
Purification:	Crude ascites.

## Target Details

Target:	BLK
Alternative Name:	BLK ( <a href="#">BLK Products</a> )
Background:	BLK ( B lymphoid tyrosine kinase), with 505-amino acid protein (about 56KDa), belongs to the Src nonreceptor tyrosine kinases family.Different subcellular localizations of Src-family kinases may be important for the regulation of specific cellular processes such as mitogenesis, cytoskeletal organization, and membrane trafficking.Blk is expressed exclusively by B lymphocytes and it is thought to function in a signal transductory pathway specific to this

## Target Details

lineage. B lymphoid expression of an active Blk mutant caused proliferation of B progenitor cells and enhanced responsiveness of these cells to interleukin 7. Thus, sustained activation of Blk induces responses normally associated with the pre-BCR.

Gene ID: 640

Pathways: [Positive Regulation of Peptide Hormone Secretion](#), [CXCR4-mediated Signaling Events](#), [Thromboxane A2 Receptor Signaling](#)

## Application Details

Application Notes: Western Blot: 1: 500- 1: 2,000  
IHC(P): 1: 500- 1: 2,000  
IHC(F): 1: 500- 1: 2,000  
ELISA: Propose dilution 1: 10,000.  
Determining optimal working dilutions by titration test.

Restrictions: For Research Use only

## Handling

Format: Liquid

Storage: -20 °C

## Publications

Product cited in: Tretter, Ross, Dordai, Desiderio: "Mimicry of pre-B cell receptor signaling by activation of the tyrosine kinase Blk." in: **The Journal of experimental medicine**, Vol. 198, Issue 12, pp. 1863-73, (2003) ([PubMed](#)).