

Datasheet for ABIN7174009
anti-BLK antibody (AA 1-280)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	BLK
Binding Specificity:	AA 1-280
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BLK antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human Tyrosine-protein kinase Blk protein (1-280AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	BLK
Alternative Name:	BLK (BLK Products)
Background:	Background: Non-receptor tyrosine kinase involved in B-lymphocyte development, differentiation and signaling. B-cell receptor (BCR) signaling requires a tight regulation of

Target Details

several protein tyrosine kinases and phosphatases, and associated coreceptors. Binding of antigen to the B-cell antigen receptor (BCR) triggers signaling that ultimately leads to B-cell activation. Signaling through BLK plays an important role in transmitting signals through surface immunoglobulins and supports the pro-B to pre-B transition, as well as the signaling for growth arrest and apoptosis downstream of B-cell receptor. Specifically binds and phosphorylates CD79A at '\Tyr-188\' and '\Tyr-199\'', as well as CD79B at '\Tyr-196\' and '\Tyr-207\''. Phosphorylates also the immunoglobulin G receptors FCGR2A, FCGR2B and FCGR2C. With FYN and LYN, plays an essential role in pre-B-cell receptor (pre-BCR)-mediated NF-kappa-B activation. Contributes also to BTK activation by indirectly stimulating BTK intramolecular autophosphorylation. In pancreatic islets, acts as a modulator of beta-cells function through the up-regulation of PDX1 and NKX6-1 and consequent stimulation of insulin secretion in response to glucose.

Aliases: B lymphocyte kinase antibody, B lymphoid tyrosine kinase antibody, Blk antibody, BLK nonreceptor tyrosine kinase antibody, BLK_HUMAN antibody, EC 2.7.10.2 antibody, MGC 10442 antibody, MGC10442 antibody, MODY 11 antibody, MODY11 antibody, P55 BLK antibody, p55-BLK antibody, Tyrosine kinase B lymphocyte specific antibody, Tyrosine protein kinase antibody, Tyrosine-protein kinase BLK antibody

UniProt: [P51451](#)

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

Application Details

Application Notes: Recommended dilution: IHC:1:20-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative: Sodium azide

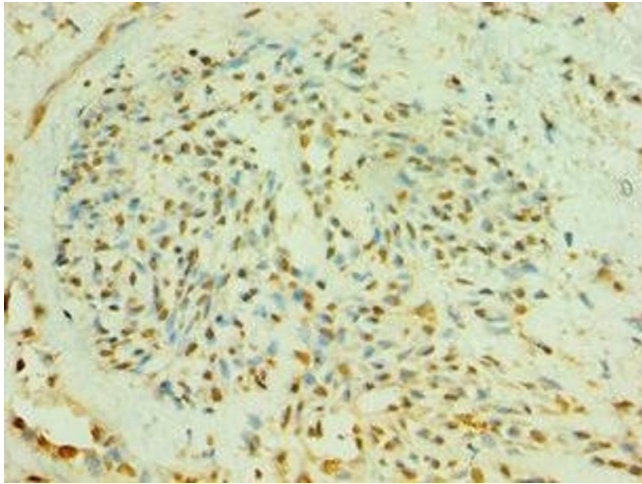
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Handling

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human breast cancer using ABIN7174009 at dilution of 1:100