

Datasheet for ABIN7174010
anti-BLK antibody (AA 1-280)[Go to Product page](#)

2 Images

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: | Western Blotting (WB), ELISA, Immunohistochemistry (IHC) |

Product Details

| | |
|-------------------|---|
| Immunogen: | Recombinant Human Tyrosine-protein kinase Blk protein (1-280AA) |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse |
| 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: WB:1:200-1:1000, 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

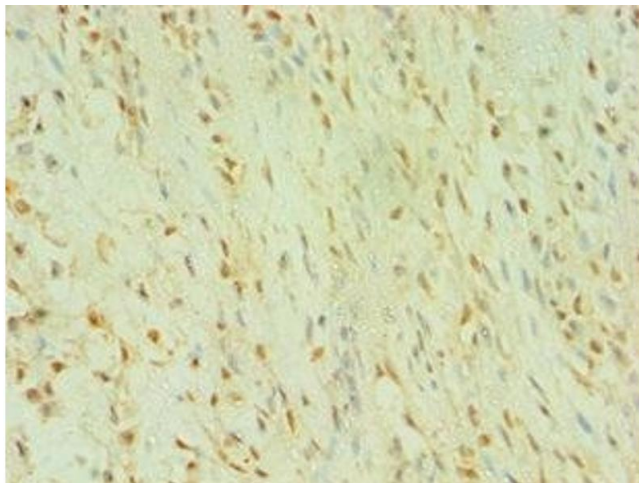
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Handling

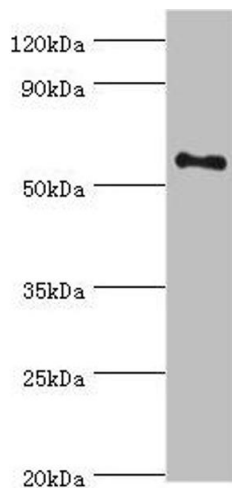
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human breast cancer using ABIN7174010 at dilution of 1:100



Western Blotting

Image 2. Western blot All lanes: Tyrosine-protein kinase Blk antibody at 10 µg/mL + Mouse kidney tissue Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 58 kDa Observed band size: 58 kDa