

Datasheet for ABIN968983

anti-BLK antibody

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Overview

Quantity:	100 µL
Target:	BLK
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This BLK antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Immunogen:	Purified recombinant fragment of human BLK expressed in E. coli.
Clone:	1-00E-06
Isotype:	IgG1
Purification:	purified

Target Details

Target:	BLK
Alternative Name:	BLK (BLK Products)
Background:	Description: Blk is a Src family protein tyrosine kinase expressed in all stages of B cell development . Activation of B cells by various ligands is accompanied by activation of Blk . It has been suggested that Blk is involved in the control of B cell differentiation and proliferation . Blk transcripts have also been detected in human thymocytes, but not in mature T cells,

Target Details

implicating that Blk may play an important role in thymopoiesis . Blk function may be redundant, however, as mice that do not express Blk are not impaired with respect to B cell development and immune response .

Aliases: MODY11, MGC10442, BLK

Molecular Weight: 58 kDa

Gene ID: 640

HGNC: 640

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

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: 1:200 - 1:1000, FCM: 1:200 - 1:400

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % sodium azide.

Preservative: Sodium azide

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

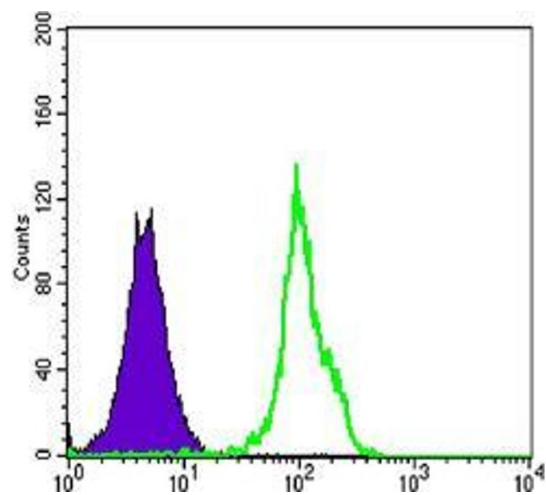
Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

Publications

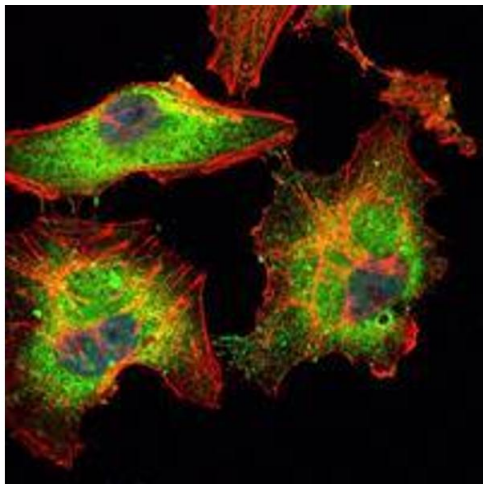
Product cited in: Dupasquier, Abdel-Samad, Glazer, Bastide, Jay, Joubert, Cavaillès, Blache, Quittau-Prévostel: "A new mechanism of SOX9 action to regulate PKCalpha expression in the intestine epithelium." in: **Journal of cell science**, Vol. 122, Issue Pt 13, pp. 2191-6, (2009) ([PubMed](#)).

Gordon, Tan, Benko, Fitzpatrick, Lyonnet, Farlie: "Long-range regulation at the SOX9 locus in development and disease." in: **Journal of medical genetics**, Vol. 46, Issue 10, pp. 649-56, (2009) ([PubMed](#)).



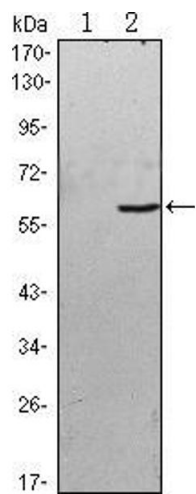
Flow Cytometry

Image 1. Flow cytometric analysis of HL-60 cells using BLK mouse mAb (green) and negative control (purple).



Immunofluorescence

Image 2. Immunofluorescence analysis of HeLa cells using BLK mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Western Blotting

Image 3. Western blot analysis using BLK mAb against HEK293 (1) and BLK(AA: 2-200)-hlgGfc transfected HEK293 (2) cell lysate.