



Blk Monoclonal Antibody

Catalog No	YP-Ab-14124
Isotype	IgG
Reactivity	Human
Applications	WB;IF;FCM;ELISA
Gene Name	BLK
Immunogen	Purified recombinant fragment of human Blk expressed in E. Coli.
Specificity	Blk Monoclonal Antibody detects endogenous levels of Blk protein.
Formulation	Ascitic fluid containing 0.03% sodium azide, 0.5% BSA, 50% glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. Flow cytometry: 1/200 - 1/400. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	BLK; Tyrosine-protein kinase Blk; B lymphocyte kinase; p55-Blk
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Cell membrane ; Lipid-anchor . Present and active in lipid rafts. Membrane location is required for the phosphorylation of CD79A and CD79B (By similarity). .
Tissue Specificity	Expressed in lymphatic organs, pancreatic islets, Leydig cells, striate ducts of salivary glands and hair follicles.
Function	catalytic activity: ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate., function: May function in a signal transduction pathway that is restricted to B-lymphoid cells., similarity: Belongs to the protein kinase superfamily. Tyr protein kinase family. SRC subfamily., similarity: Contains 1 protein kinase domain., similarity: Contains 1 SH2 domain., similarity: Contains 1 SH3 domain.,
Background	This gene encodes a nonreceptor tyrosine-kinase of the src family of proto-oncogenes that are typically involved in cell proliferation and differentiation. The protein has a role in B-cell receptor signaling and B-cell development. The



protein also stimulates insulin synthesis and secretion in response to glucose and enhances the expression of several pancreatic beta-cell transcription factors. [provided by RefSeq, Aug 2010],

matters needing attention

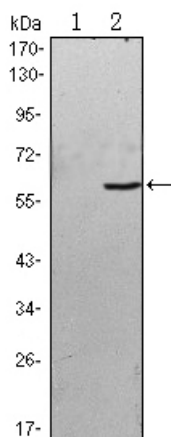
Avoid repeated freezing and thawing!

Usage suggestions

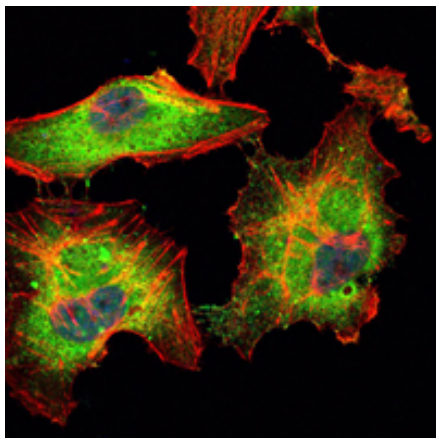
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



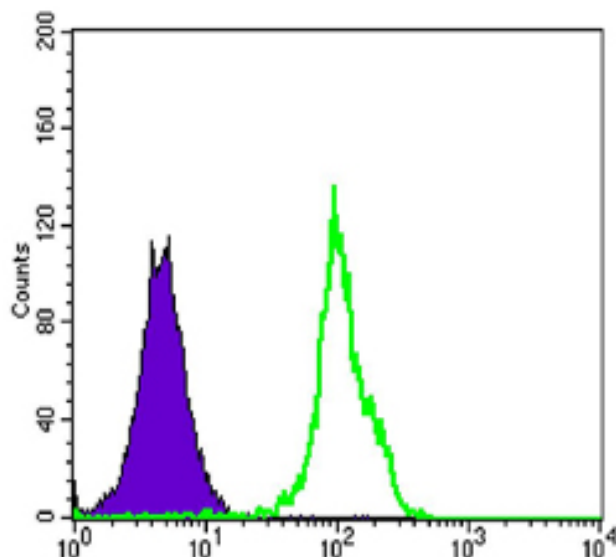
Products Images



Western Blot analysis using Blk Monoclonal Antibody against HEK293 (1) and BLK-hlgGfc transfected HEK293 (2) cell lysate.



Immunofluorescence analysis of HeLa cells using Blk Monoclonal Antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow cytometric analysis of HL-60 cells using Blk Monoclonal Antibody (green) and negative control (purple).