BT LAB
Bioassay Technology Laboratory
Optimize Your Research

BLNK Monoclonal Antibody

Description

Product type	Primary Antibody
Code	BT-MCA0219
Host	Mouse
Isotype	IgG
Size	50ul, 100ul
Immunogen	Purified recombinant fragment of human BLNK expressed in E. Coli.
Mol wt	N/A
Species reactivity	Human,Mouse
Clonality	Monoclonal
Recommended application	WB, IHC-p, IF, ICC, FCM, ELISA
Concentration	1 mg/ml
Full name	B-cell linker protein
Synonyms	BLNK; BASH; SLP65; B-cell linker protein; B-cell adapter containing a SH2 domain protein; B-cell adapter containing a Src homology 2 domain protein; Cytoplasmic adapter protein; Src homology 2 domain-containing leukocyte protein of 65 kDa;

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

This gene encodes a cytoplasmic linker or adaptor protein that plays a critical role in B cell development. This protein bridges B cell receptor-associated kinase activation with downstream signaling pathways, thereby affecting various biological functions. The phosphorylation of five tyrosine residues is necessary for this protein to nucleate distinct signaling effectors following B cell receptor activation. Mutations in this gene cause hypoglobulinemia and absent B cells, a disease in which the pro- to pre-B-cell transition is developmentally blocked. Deficiency in this protein has also been shown in some cases of pre-B acute lymphoblastic leukemia. Alternatively spliced transcript variants have been found for this gene.

Recommended Dilution

FC: 1:200 - 1:400

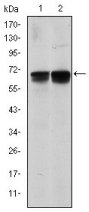
IF: 1:200 - 1:1000

IHC: 1:200 - 1:1000

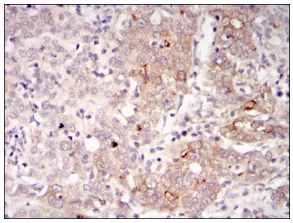
WB: 1:500 - 1:2000

Not yet tested in other applications.

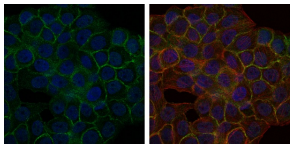
Images



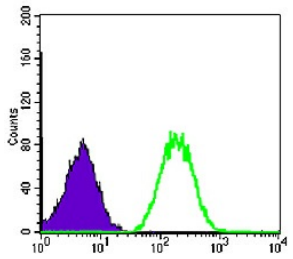
Western Blot analysis using BLNK Monoclonal antibody against NIH/3T3 (1) and BCBL-1 (2) cell lysate.



Immunohistochemistry analysis of paraffin-embedded human cervical cancer tissues with DAB staining using BLNK Monoclonal antibody.



Immunofluorescence analysis of HepG2 cells using BLNK Monoclonal antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow cytometric analysis of NIH(3T3) cells using BLNK Monoclonal antibody (green) and negative control (purple).

Storage

-20°C for one year

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