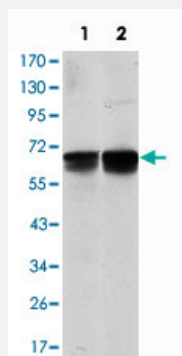


BLNK monoclonal antibody, clone 5G9

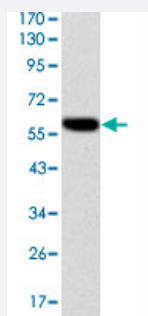
Catalog # MAB10505 Size 100 uL

Applications



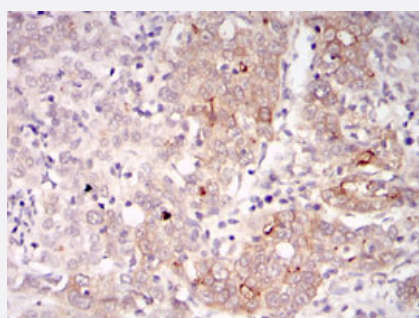
Western Blot (Cell lysate)

Western blot analysis using BLNK monoclonal antibody, clone 5G9 (Cat # MAB10505) against NIH/3T3 (1) and BCBL-1 (2) cell lysate.



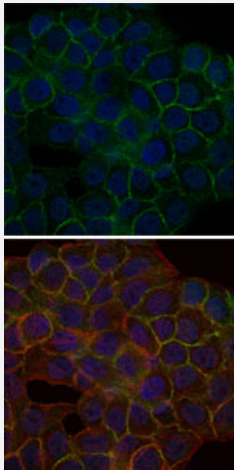
Western Blot (Recombinant protein)

Western blot analysis using BLNK monoclonal antibody, clone 5G9 (Cat # MAB10505) against human BLNK (aa: 34-216) recombinant protein. (Expected MW is 60 kDa).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human cervical cancer tissues using BLNK monoclonal antibody, clone 5G9 (Cat # MAB10505) with DAB staining.

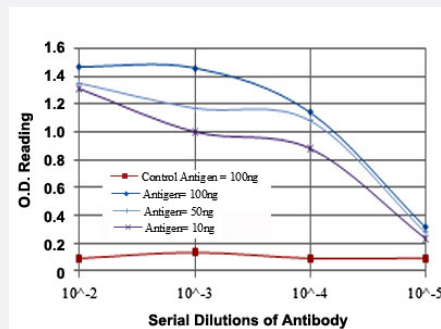


Immunofluorescence

Immunofluorescence analysis of HepG2 cells using BLNK monoclonal antibody, clone 5G9 (Cat # MAB10505) (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

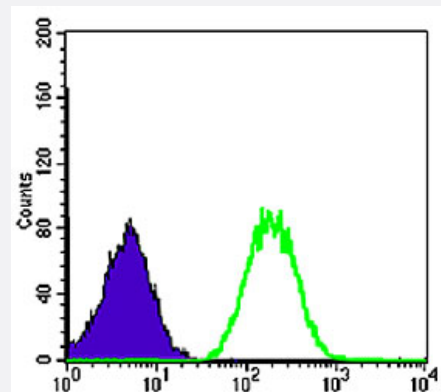
Enzyme-linked Immunoabsorbent Assay

ELISA detection with BLNK monoclonal antibody, clone 5G9 (Cat # MAB10505).



Flow Cytometry

Flow cytometric analysis of NIH/3T3 cells using BLNK monoclonal antibody, clone 5G9 (Cat # MAB10505) (green) and negative control (purple).



Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant BLNK.
Immunogen	Recombinant protein corresponding to human BLNK.
Host	Mouse
Theoretical MW (kDa)	68
Reactivity	Human, Mouse

Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) Immunofluorescence (1:200-1:1000) Flow cytometry (1:200-1:400) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascites (0.03% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis using BLNK monoclonal antibody, clone 5G9 (Cat # MAB10505) against NIH/3T3 (1) and BCBL-1 (2) cell lysate.

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- Enzyme-linked Immunoabsorbent Assay

ELISA detection with BLNK monoclonal antibody, clone 5G9 (Cat # MAB10505).

- Flow Cytometry

Flow cytometric analysis of NIH/3T3 cells using BLNK monoclonal antibody, clone 5G9 (Cat # MAB10505) (green) and negative control (purple).

Gene Info — BLNK

Entrez GeneID [29760](#)

Gene Name BLNK

Gene Alias BASH, BLNK-S, LY57, MGC111051, SLP-65, SLP65

Gene Description B-cell linker

Omim ID [604515](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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 encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

B cell linker protein|B-cell adapter containing a SH2 domain protein|B-cell adapter containing a Src homology 2 domain protein|OTTHUMP00000020167|Src homology 2 domain-containing leukocyte protein of 65 kDa

Pathway

- [B cell receptor signaling pathway](#)
- [Primary immunodeficiency](#)

Disease

- [Alzheimer Disease](#)
- [Genetic Predisposition to Disease](#)
- [Tobacco Use Disorder](#)