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# anti-B-Cell Linker antibody (AA 150-178)

3 Images



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Overview	
Quantity:	400 μL
Target:	B-Cell Linker (BLNK)
Binding Specificity:	AA 150-178
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This B-Cell Linker antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)
Product Details	
Immunogen:	This BLNK antibody is generated from rabbits immunized with a KLH conjugated synthetic
	peptide between 150-178 amino acids from the Central region of human BLNK.
Clone:	RB18883
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.
Target Details	
Target:	B-Cell Linker (BLNK)
Alternative Name:	BLNK (BLNK Products)

## **Target Details**

Background:
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BLNK is 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 its 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.

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Molecular Weight:	50466
Gene ID:	29760
NCBI Accession:	NP_001107566, NP_001245369, NP_037446
UniProt:	Q8WV28
Pathways:	BCR Signaling

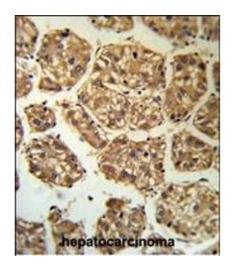
# **Application Details**

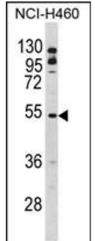
Application Notes:	WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50

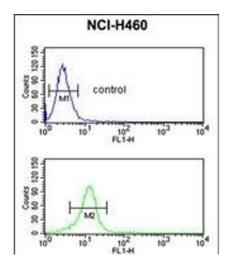
Restrictions: For Research Use only

# Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months







## **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** BLNK Antibody (Center) (R) IHC analysis in formalin fixed and paraffin embedded human hepatocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the BLNK Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

#### **Western Blotting**

**Image 2.** Western blot analysis of BLNK Antibody (Center) (ABIN390395 and ABIN2840787) in NCI- cell line lysates (35  $\mu$ g/lane). BLNK (arrow) was detected using the purified Pab.

## **Flow Cytometry**

**Image 3.** BLNK Antibody (Center) (ABIN390395 and ABIN2840787) flow cytometric analysis of NCI- cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.