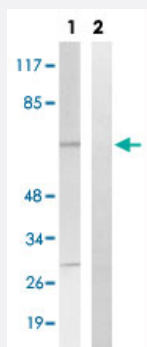


BLNK (phospho Y84) polyclonal antibody

Catalog # PAB29646

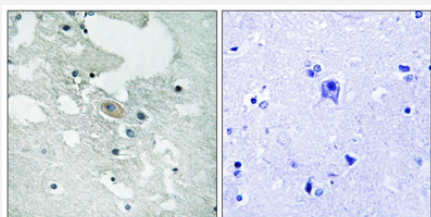
Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of Lane 1: Untreated K562 cell lysates, Lane 2: Synthesized peptide treated K562 cell lysates reacted with BLNK (phospho Y84) polyclonal antibody (Cat # PAB29646) at 1:500-1:3000 dilution.



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

Immunohistochemical staining of paraffin-embedded human brain tissue reacted with BLNK (phospho Y84) polyclonal antibody (Cat # PAB29646) at 1:50-1:100 dilution. The picture on the right is treated with the synthesized peptide.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of human BLNK.
Immunogen	Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding Y84 of human BLNK.
Host	Rabbit
Theoretical MW (kDa)	65
Reactivity	Human, Mouse, Rat

Specificity	BLNK (phospho Y84) polyclonal antibody detects endogenous levels of human BLNK only when phosphorylated at tyrosine 84.
Form	Liquid
Purification	Affinity chromatography
Recommend Usage	Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:3000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (without Mg^{2+} and Ca^{2+}), 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	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.

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Gene Info — BLNK

Entrez GeneID	29760
Protein Accession#	Q8WV28
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](#)