

**BLNK (Phospho-Tyr84) Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP52538**

**Specification**

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**BLNK (Phospho-Tyr84) Antibody - Product Information**

Application	<b>WB, IHC</b>
Primary Accession	<a href="#">O8WV28</a>
Reactivity	<b>Human, Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>50466</b>

**BLNK (Phospho-Tyr84) Antibody - Additional Information**

**Gene ID** 29760

**Other Names**

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, SLP-65, BLNK, BASH, SLP65

**Dilution**

WB~~1:1000  
IHC~~1:50~100

**Format**

Rabbit IgG in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.

**Storage Conditions**

-20°C

**BLNK (Phospho-Tyr84) Antibody - Protein Information**

**Name** BLNK

**Synonyms** BASH, SLP65

**Function**

Functions as a central linker protein, downstream of the B- cell receptor (BCR), bridging the SYK kinase to a multitude of signaling pathways and regulating biological outcomes of B-cell function and development. Plays a role in the activation of ERK/EPHB2, MAP kinase p38 and JNK. Modulates AP1 activation. Important for the activation of NF-kappa-B and NFAT. Plays an important role in BCR- mediated PLCG1 and PLCG2 activation and Ca(2+) mobilization and is required for trafficking of the BCR to late endosomes. However, does not seem to be required for pre-BCR-mediated activation of MAP kinase and phosphatidyl-inositol 3 (PI3) kinase signaling. May be required for the RAC1-JNK pathway. Plays a critical role in orchestrating the pro-B cell to pre-B cell transition. May

play an important role in BCR- induced B-cell apoptosis.

#### Cellular Location

Cytoplasm. Cell membrane. Note=BCR activation results in the translocation to membrane fraction

#### Tissue Location

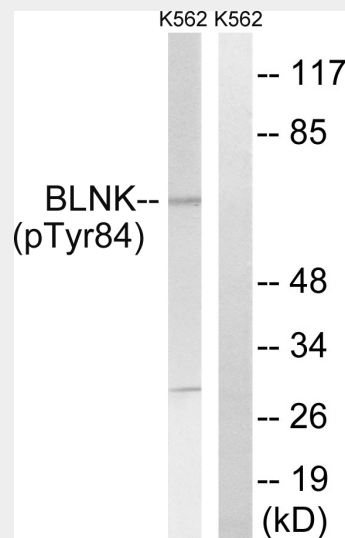
Expressed in B-cell lineage and fibroblast cell lines (at protein level). Highest levels of expression in the spleen, with lower levels in the liver, kidney, pancreas, small intestines and colon

### BLNK (Phospho-Tyr84) Antibody - Protocols

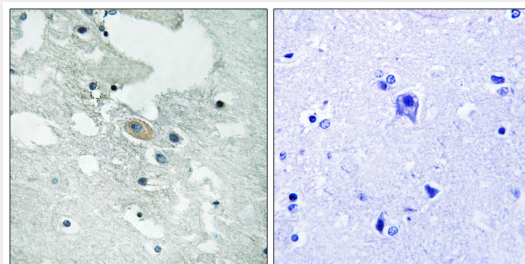
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### BLNK (Phospho-Tyr84) Antibody - Images



Western blot analysis of extracts from K562 cells, treated with starved (24hours), using BLNK (Phospho-Tyr84) antibody.



Immunohistochemistry analysis of paraffin-embedded human brain tissue using BLNK

(Phospho-Tyr84) antibody.

### **BLNK (Phospho-Tyr84) Antibody - Background**

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### **BLNK (Phospho-Tyr84) Antibody - References**

- Fu C., et al. *Immunity* 9:93-103(1998).
- Minegishi Y., et al. *Science* 286:1954-1957(1999).
- Sprangers M., et al. *Oncogene* 25:5180-5186(2006).
- Deloukas P., et al. *Nature* 429:375-381(2004).
- Fu C., et al. *J. Biol. Chem.* 272:27362-27368(1997).