

Rabbit BLNK Polyclonal Antibody | anti-BLNK antibody

Phospho-BLNK (Tyr84) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329238	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry

PRODUCT SYNONYMS

BLNK; Polyclonal Antibody; Phospho-BLNK (Tyr84) Antibody; AGM4; B cell adapter containing SH2 domain protein; B cell adapter containing Src homology 2 domain protein; B cell adaptor containing SH2 domain; B cell linker; B cell linker protein; B cell-specific adaptor protein; B-cell activation; B-cell adapter containing a SH2 domain protein; B-cell adapter containing a Src homology 2 domain protein; B-cell linker protein; BASH; Bca; BLNK s; BLNK_HUMAN; Cytoplasmic adapter protein; Ly 57; Ly57; Lymphocyte antigen 57; Lyw 57; Lyw57; MGC111051; SH2 domain-containing leukocyte protein; 65-KD; SLP 65; SLP-65; SLP65; Src homology [SH2] domain-containing leukocyte protein of 65KD; Src homology 2 domain containing leukocyte protein of 65kDa; Src homology 2 domain-containing leukocyte protein of 65kDa; anti-BLNK antibody

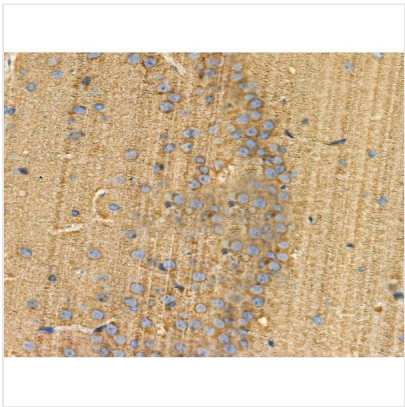
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-BLNK (Tyr84) Antibody detects endogenous levels of BLNK only when phosphorylated at Tyr84. Tissue Specificity: 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.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-BLNK antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry)
Immunogen	A synthesized peptide derived from human BLNK around the phosphorylation site of Tyr84.
Conjugation	Unconjugated
Fragment	Fab fragment
Post Translational Modifications	Following BCR activation, phosphorylated on tyrosine residues by SYK and LYN. When phosphorylated, serves as a scaffold to assemble downstream targets of antigen activation, including PLCG1, VAV1, GRB2 and NCK1. Phosphorylation of Tyr-84, Tyr-178 and Tyr-189 facilitates PLCG1 binding. Phosphorylation of Tyr-96 facilitates BTK binding. Phosphorylation of Tyr-72 facilitates VAV1 and NCK1 binding. Phosphorylation is required for both Ca (2+) and MAPK signaling pathways.
Subunit Structure	Associates with PLCG1, VAV1 and NCK1 in a B-cell antigen receptor-dependent fashion. Interacts with VAV3, PLCG2 and GRB2. Interacts through its SH2 domain with CD79A. Interacts (via SH2 domain) with SYK; phosphorylated and activated by SYK. Interacts (via SH2 domain) with SCIMP; this interaction is dependent on phosphorylation of SCIMP 'Tyr-131'.
Subcellular Location	Cytoplasm. Cell membrane. Note: BCR activation results in the translocation to membrane fraction.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
Staining Human colorectal cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
At 1/100 staining Rat brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-BLNK antibody	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	166235901
NCBI GeneID	29760
NCBI Accession #	NP_001107566.1
NCBI GenBank Nucleotide #	NM_001114094.1
UniProt Accession #	Q8WV28; O75498; O75499; Q2MD49
Molecular Weight	50,466 Da
NCBI Official Full Name	B-cell linker protein isoform 2
NCBI Official Synonym Full Names	B-cell linker
NCBI Official Symbol	BLNK
NCBI Official Synonym Symbols	bca; AGM4; BASH; LY57; SLP65; BLNK-S; SLP-65
NCBI Protein Information	B-cell linker protein; B-cell activation; B cell linker protein; cytoplasmic adapter protein; B cell adaptor containing SH2 domain; B-cell adapter containing a SH2 domain protein; B-cell adapter containing a Src homology 2 domain protein; Src homology 2 d
UniProt Protein Name	B-cell linker protein
UniProt Gene Name	BLNK
UniProt Synonym Gene Names	BASH; SLP65; SLP-65
UniProt Entry Name	BLNK_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/blink-antibody-peptide-elisa-immunohistochemistry-elisa/329238>