ARG63184
anti-BLNK / SLP65 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes BLNK / SLP65
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Dog, Pig
Tested Application	FACS, ICC/IF, WB
Specificity	This antibody is expected to recognize both reported isoforms (NP_037446.1; NP_001107566.1).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	BLNK / SLP65
Species	Human
Immunogen	C-KDSTRLKYAVKVS
Conjugation	Un-conjugated
Alternate Names	SLP65; BLNK-S; B-cell linker protein; bca; B-cell adapter containing a Src homology 2 domain protein; SLP-65; AGM4; LY57; Cytoplasmic adapter protein; Src homology 2 domain-containing leukocyte protein of 65 kDa; BASH; B-cell adapter containing a SH2 domain protein

Application Instructions

Application table

Application	Dilution
FACS	10 µg/ml
ICC/IF	10 µg/ml
WB	0.3 - 1 µg/ml

Application Note

WB: Recommend incubate at RT for 1h.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

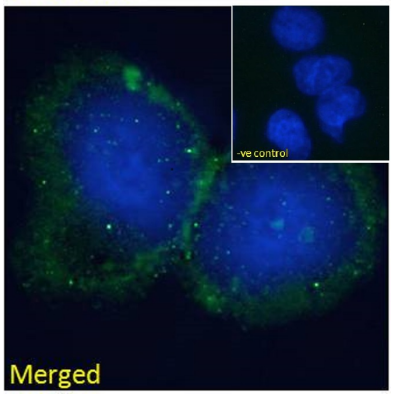
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

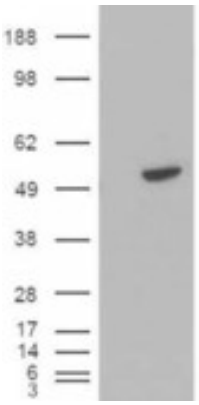
Database links	GeneID: 29760 Human Swiss-port # Q8WV28 Human
Background	This gene encodes a cytoplasmic linker or adaptor protein that plays a critical role in B cell development. This protein bridges B cell receptor-associated kinase activation with downstream signaling pathways, thereby affecting various 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 have been found for this gene. [provided by RefSeq, May 2012]
Research Area	Immune System antibody; Signaling Transduction antibody
Calculated Mw	50 kDa
PTM	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.

Images



ARG63184 anti-BLNK / SLP65 antibody ICC/IF image

Immunofluorescence: Paraformaldehyde fixed HepG2 cells permeabilized with 0.15% Triton. Cells were stained with ARG63184 anti-BLNK / SLP65 antibody (green) at 10 µg/ml dilution for 1 hour. DAPI (blue) for nuclear staining. Negative control: Unimmunized goat IgG (green) at 10 µg/ml dilution.

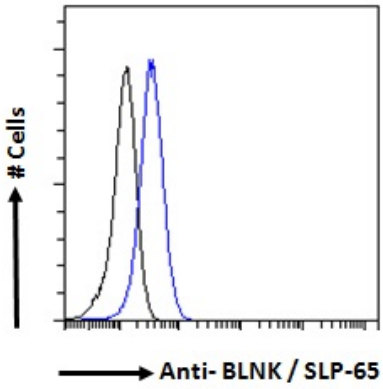


ARG63184 anti-BLNK / SLP65 antibody WB image

Western blot: 1). Mock transfection; 2) BLNK (RC202488) expressing plasmid transfected HEK293 cell lysate standed with ARG63184 anti-BLNK / SLP65 antibody.

ARG63184 anti-BLNK / SLP65 antibody WB image

Western blot: 35 µg of Daudi cell lysate (in RIPA buffer) stained with ARG63184 anti-BLNK / SLP65 antibody at 0.3 µg/ml dilution and incubated at RT for 1 hour.



ARG63184 anti-BLNK / SLP65 antibody FACS image

Flow Cytometry: Paraformaldehyde-fixed Daudi cells permeabilized with 0.5% Triton. Cells were stained with ARG63184 anti-BLNK / SLP65 antibody (blue line) at 10 µg/ml dilution for 1 hour, followed by incubation with Alexa FluorR 488 labelled secondary antibody. IgG control: Unimmunized goat IgG (black line).