

Product Datasheet

Blk Antibody (7A12) - Azide and BSA Free H00000640-M02

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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H00000640-M02

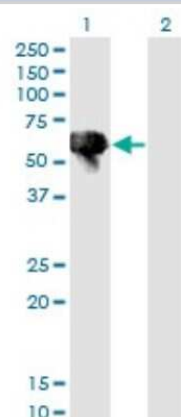
Blk Antibody (7A12) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	7A12
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	640
Gene Symbol	BLK
Species	Human, Mouse, Rat
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
Specificity/Sensitivity	BLK - B lymphoid tyrosine kinase
Immunogen	BLK (AAH07371, 1 a.a. ~ 90 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MGLVSSKKPDKEKPIKEKDKGQWSPLKVSQAQDKDAPPLPPLVVFNHLTPPPPD EHLDEDKHFVVALYDYTAMNDRDLQMLKGEKLQVLKG
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry
Recommended Dilutions	Western Blot 1:500, Flow Cytometry 1:10-1:1000, ELISA
Application Notes	Antibody reactivity against cell lysate and recombinant protein for WB. It has been used for ELISA. FACS usage was reported in scientific literature.

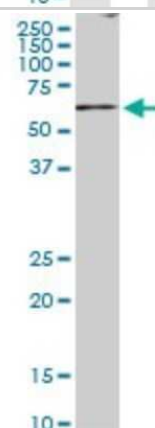


Images

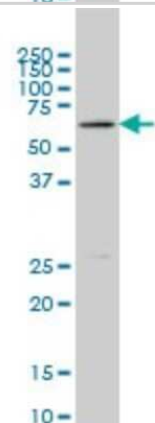
Western Blot: Blk Antibody (7A12) [H00000640-M02] - Analysis of BLK expression in transfected 293T cell line by BLK monoclonal antibody (M02), clone 7A12. Lane 1: BLK transfected lysate (Predicted MW: 57.7 KDa). Lane 2: Non-transfected lysate.



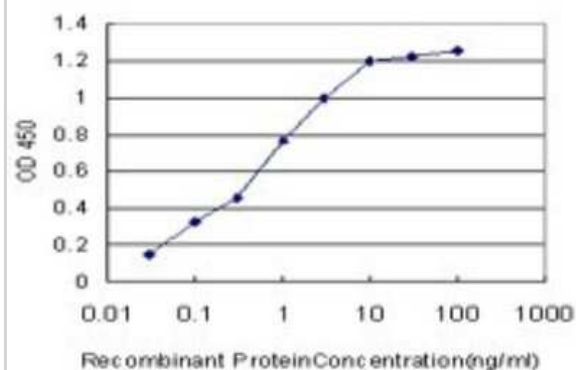
Western Blot: Blk Antibody (7A12) [H00000640-M02] - BLK monoclonal antibody (M02), clone 7A12. Analysis of BLK expression in PC-12.



Western Blot: Blk Antibody (7A12) [H00000640-M02] - BLK monoclonal antibody (M02), clone 7A12. Analysis of BLK expression in Raw 264.7.



ELISA: Blk Antibody (7A12) [H00000640-M02] - Detection limit for recombinant GST tagged BLK is approximately 0.03ng/ml as a capture antibody.



Publications

Ni J, Li X, Tu X et al. Halofuginone ameliorates systemic lupus erythematosus by targeting Blk in myeloid-derived suppressor cells International immunopharmacology 2022-12-06 [PMID: 36493694] (Western Blot, Mouse)

Castillejo-Lopez C, Delgado-Vega AM, Wojcik J et al. Genetic and physical interaction of the B-cell systemic lupus erythematosus-associated genes BANK1 and BLK. Ann Rheum Dis. 2011-01-06 [PMID: 21978998]

Bernal-Quiros M, Wu YY, Alarcon-Riquelme ME et al. BANK1 and BLK Act through Phospholipase C Gamma 2 in B-Cell Signaling. PLoS One 2013-01-01 [PMID: 23555801] (Human)

Simpfendorfer KR, Olsson LM, Manjarrez Orduno N et al. The autoimmunity-associated BLK haplotype exhibits cis-regulatory effects on mRNA and protein expression that are prominently observed in B cells early in development Hum Mol Genet 2012-06-20 [PMID: 22678060] (WB, FLOW, Human)



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Products Related to H00000640-M02

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP2-68887PEP	Blk Recombinant Protein Antigen

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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