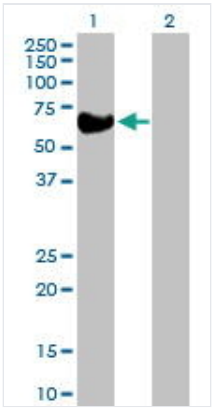
BLK Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	BLK, Polyclonal Antibody
Full Product Name	BLK (Tyrosine-protein Kinase Blk, B Lymphoid Tyrosine Kinase, p55-Blk) (Biotin)
Product Gene Name	anti-BLK antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human BLK.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor
Molecular Weight	57,706 Da
Chromosome Location	Chromosome: 8; NC_000008.10 (11351521..11422108). Location: 8p23-p22
OMIM	191305
3D Structure	ModBase 3D Structure for P51451
Immunogen	Full length human BLK, aa1-505 (NP_001706.2).
Immunogen Sequence	MGLVSSKKPDKEKPIKEKDKGQWSPLKVSAQDKDAPPLPPLVVFNHLTPPPPDEHLDEDKHFVVALYDYTAMNDRDLQMLKGEKLQVLKGTGDWWLAR
Conjugate	Biotin
Note	Preservative Free
Product Categories/Family for anti-BLK antibody	Antibodies; Protein Kinases
Applications Tested/Suitable for anti-BLK antibody	Western Blot (WB)
Application Notes for anti-BLK antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-BLK antibody	Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the g phosphate of ATP, onto an acceptor amino acid consists of 50 kinases related to the mitogen-activated protein kinase (MAPK) cascade families (Ste7/MAP2K, Ste11/MAP3K, and Ste20/MAP4K). MA

Other Notes	Small volumes of anti-BLK antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessar
Searchable Terms for BLK purchase	MBS6371279 is an antibody targeting BLK. Also known as BLK (Tyrosine-protein Kinase Blk, B Lymphoid Tyrosine Kinase, p55-Blk) (Biotin). Reactive



Western Blot (WB) of anti-BLK antibody
Western Blot analysis of BLK expression in transfected 293T cell line by BLK polyclonal antibody. Lane 1: BLK transfected lysate (57.7kD). Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BLK. It may not necessarily be applicable to this product.

NCBI GI #	33469982
NCBI GeneID	640
NCBI Accession #	NP_001706.2
UniProt Primary Accession #	P51451
UniProt Secondary Accession #	Q16291; Q96IN1
UniProt Related Accession #	P51451
GenBank Nucleotide #	NM_001715.2
NCBI Official Full Name	tyrosine-protein kinase Blk
NCBI Official Synonym Full Names	B lymphoid tyrosine kinase
NCBI Official Symbol	BLK
NCBI Official Synonym Symbols	MODY11
UniProt Protein Name	Tyrosine-protein kinase Blk
UniProt Synonym Protein Names	B lymphocyte kinase; p55-Blk
Protein Family	Tyrosine-protein kinase
UniProt Gene Name	BLK
UniProt Entry Name	BLK_HUMAN
NCBI Protein Information	tyrosine-protein kinase Blk; p55-Blk; b lymphocyte kinase; BLK nonreceptor tyrosine kinase
NCBI Summary for BLK	This gene encodes a nonreceptor tyrosine-kinase of the src family of proto-oncogenes that are typically involved in cell proliferation and differentiation. The protein has a role in B-cell receptor signaling and B-cell development. The protein also stimulates insulin synthesis and secretion in response to glucose and enhances the expression of several pancreatic beta-cell transcription factors. [provided by RefSeq, Aug 2010]

UniProt Comments for BLK	BLK: a nonreceptor tyrosine kinase of the Src family. Expressed predominantly in B lymphocytes Protein type: Protein kinase, TK; Protein kinase, tyrosine (non-receptor); Kinase, protein; EC 2.7.10.2; TK group; Src family Chromosomal Location of Human Ortholog: 8p23-p22 Cellular Component: extrinsic to internal side of plasma membrane Molecular Function: protein binding; protein-tyrosine kinase activity; non-membrane spanning protein tyrosine kinase activity; ATP binding; receptor binding Biological Process: B cell receptor signaling pathway; innate immune response; positive regulation of insulin secretion; transmembrane receptor protein tyrosine kinase signaling pathway; regulation of cell proliferation; T cell differentiation Disease: Maturity-onset Diabetes Of The Young, Type 11
Research Articles on BLK	**1.** Blk allele expression differences at the protein level are restricted to early B cells.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/blk/6371279