

Datasheet for ABIN7601971
anti-BLK antibody (AA 53-184)



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	BLK
Binding Specificity:	AA 53-184
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BLK antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-BLK Antibody Picoband®
Immunogen:	E.coli-derived human BLK recombinant protein (Position: D53-E184).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-BLK Antibody Picoband® (ABIN7601971). Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	BLK
Alternative Name:	BLK (BLK Products)
Background:	Synonyms: Nuclear factor 1 B-type, NF1-B, Nuclear factor 1/B, CCAAT-box-binding transcription factor, CTF, Nuclear factor I/B, NF-I/B, NFI-B, TGGCA-binding protein, NFIB Background: Tyrosine-protein kinase BLK, also known as B lymphocyte kinase, is a non-receptor tyrosine kinase that in humans is encoded by the BLK gene. 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.
Molecular Weight:	60 kDa
Gene ID:	640
UniProt:	P51451
Pathways:	Positive Regulation of Peptide Hormone Secretion , CXCR4-mediated Signaling Events , Thromboxane A2 Receptor Signaling

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Appel, S., Filter, M., Reis, A., Hennies, H. C., Bergheim, A., Ogilvie, E., Arndt, S., Simmons, A., Lovett, M., Hide, W., Ramsay, M., Reichwald, K., Zimmermann, W., Rosenthal, A. Physical and transcriptional map of the critical region for keratolytic winter erythema (KWE) on chromosome 8p22-p23 between D8S550 and D8S1759. <i>Europ. J. Hum. Genet.</i> 10: 17-25, 2002. 2. Borowiec, M., Liew, C. W., Thompson, R., Boonyasrisawat, W., Hu, J., Mlynarski, W. M., El Khattabi, I., Kim, S.-H., Marselli, L., Rich, S. S., Krolewski, A. S., Bonner-Weir, S., Sharma, A., Sale, M., Mychaleckyj, J. C., Kulkarni, R. N., Doria, A. Mutations at the BLK locus linked to maturity onset diabetes of the young and beta-cell dysfunction. <i>Proc. Nat. Acad. Sci.</i> 106: 14460-14465, 2009. 3. Drebin, J. A., Hartzell, S. W., Griffin, C., Campbell, M. J., Niederhuber, J. E. Molecular cloning and chromosomal localization of the human homologue of a B-lymphocyte specific protein tyrosine kinase (blk). <i>Oncogene</i> 10: 477-486, 1995.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.