

Product datasheet

Anti-BLK antibody - N-terminal ab189320

2 Images

Overview

|                            |  |
|----------------------------|--|
| <b>Product name</b>        | Anti-BLK antibody - N-terminal   |
| <b>Description</b>         | Goat polyclonal to BLK - N-terminal  |
| <b>Host species</b>        | Goat   |
| <b>Tested applications</b> | <b>Suitable for:</b> WB, IHC-P   |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Human<br><b>Predicted to work with:</b> Monkey, Common marmoset   |
| <b>Immunogen</b>           | Synthetic peptide corresponding to Human BLK aa 22-34 (N terminal) (Cysteine residue).<br>Sequence:<br>QWSPLKVSAQDKD<br><br>Database link: <a href="#">P51451</a><br><br><a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a> |
| <b>Positive control</b>    | Human spleen tissue; Human thymus, spleen and lymph node tissue lysate   |

Properties

|                             |   |
|-----------------------------|---|
| <b>Form</b>                 | Liquid  |
| <b>Storage instructions</b> | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. |
| <b>Storage buffer</b>       | pH: 7.3<br>Preservative: 0.02% Sodium azide<br>Constituents: 99% Tris buffered saline, 0.5% BSA                                   |
| <b>Purity</b>               | Immunogen affinity purified   |
| <b>Clonality</b>            | Polyclonal  |
| <b>Isotype</b>              | IgG   |

Applications

Our [Abpromise guarantee](#) covers the use of **ab189320** in the following tested applications.

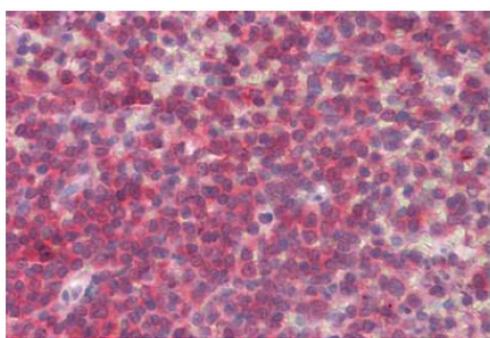
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes  |
|-------------|-----------|--|
| WB          |           | Use a concentration of 0.1 - 0.3 µg/ml. Detects a band of approximately 50 kDa (predicted molecular weight: 57 kDa). |
| IHC-P       |           | Use a concentration of 3.75 µg/ml.   |

## Target

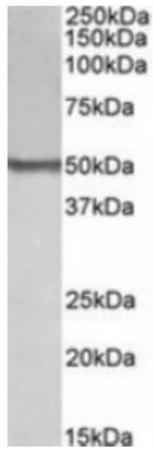
|                               |   |
|-------------------------------|---|
| <b>Function</b>               | Modulator of beta-cells function, acting through the up-regulation of PDX1 and NKX6-1 and consequent stimulation of insulin secretion in response to glucose.   |
| <b>Tissue specificity</b>     | Expressed in lymphatic organs, pancreatic islets, Leydig cells, striate ducts of salivary glands and hair follicles.  |
| <b>Involvement in disease</b> | Defects in BLK are a cause of maturity-onset diabetes of the young type 11 (MODY11) [MIM:613375]. MODY11 is a form of diabetes that is characterized by an autosomal dominant mode of inheritance, onset in childhood or early adulthood (usually before 25 years of age), a primary defect in insulin secretion and frequent insulin-independence at the beginning of the disease. |
| <b>Sequence similarities</b>  | Belongs to the protein kinase superfamily. Tyr protein kinase family. SRC subfamily.<br>Contains 1 protein kinase domain.<br>Contains 1 SH2 domain.<br>Contains 1 SH3 domain.   |

## Images



Immunohistochemical analysis of formalin fixed, paraffin embedded Human spleen tissue labeling BLK with ab189320 at 3.75 µg/ml.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BLK antibody - N-terminal (ab189320)



Western blot - Anti-BLK antibody - N-terminal  
(ab189320)

Anti-BLK antibody - N-terminal (ab189320) at 0.1  $\mu\text{g}$  + Human thymus tissue lysate (in RIPA buffer) at 35  $\mu\text{g}$

Developed using the ECL technique.

**Predicted band size:** 57 kDa

**Observed band size:** 50 kDa

[why is the actual band size different from the predicted?](#)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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