




## Product datasheet

### Anti-DOK3 antibody ab1357

[3 References](#) [2 Images](#)

#### Overview

<b>Product name</b>	Anti-DOK3 antibody
<b>Description</b>	Goat polyclonal to DOK3
<b>Host species</b>	Goat
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Rat 
<b>Immunogen</b>	Synthetic peptide corresponding to Human DOK3 aa 450-550 (C terminal). Database link: <a href="#">NP_079148.2</a>  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a>
<b>Positive control</b>	Human PBMC lysate.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: Tris buffered saline, 0.5% BSA
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab1357 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 1 - 3 µg/ml. Detects a band of approximately 60 kDa (predicted molecular weight: 57 kDa). 1 hour primary incubation is recommended for this product.

## Target

### Function

DOK proteins are enzymatically inert adaptor or scaffolding proteins. They provide a docking platform for the assembly of multimolecular signaling complexes. DOK3 is a negative regulator of JNK signaling in B-cells through interaction with INPP5D/SHIP1. May modulate Abl function.

### Tissue specificity

Expressed in spleen.

### Sequence similarities

Belongs to the DOK family. Type A subfamily.  
Contains 1 IRS-type PTB domain.  
Contains 1 PH domain.

### Domain

PTB domain mediates receptor interaction.

### Post-translational modifications

Constitutively tyrosine-phosphorylated.  
On IL2 stimulation, phosphorylated on C-terminal tyrosine residues possibly by Src kinases. Can also be phosphorylated by ABL kinase.

### Cellular localization

Cytoplasm. Cell membrane.

## Images



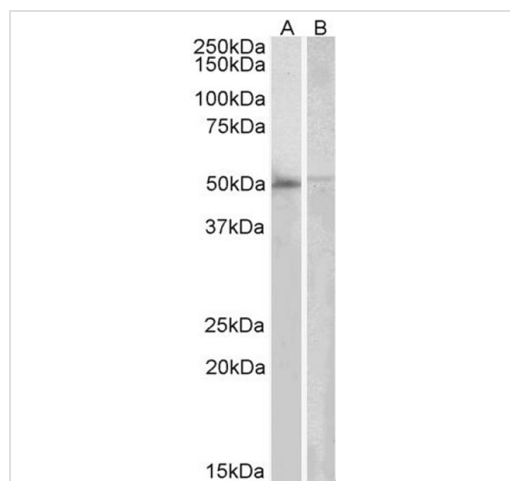
Anti-DOK3 antibody (ab1357) at 0.1 µg/ml + Human PBMC lysate (RIPA buffer) at 35 µg

**Predicted band size:** 57 kDa

ab1357 staining (1 µg/ml) of Human PBMC lysate (RIPA buffer, 35 µg total protein per lane). Primary incubated for 1 hour.

Detected by western blot using chemiluminescence.

Primary incubated for 1 hour. Detected by chemiluminescence.



Western blot - Anti-DOK3 antibody (ab1357)

**All lanes :** Anti-DOK3 antibody (ab1357) at 2 µg/ml

**Lane 1 :** Human Bone Marrow lysates

**Lane 2 :** Peripheral blood leukocyte lysates

Lysates/proteins at 35 µg per lane.

**Predicted band size:** 57 kDa

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

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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