

## Product datasheet

# Anti-Mycobacterium tuberculosis Ag85B antibody ab43019

★★★★☆ [4 Abreviews](#) [18 References](#) [2 Images](#)

### Overview

<b>Product name</b>	Anti-Mycobacterium tuberculosis Ag85B antibody
<b>Description</b>	Rabbit polyclonal to Mycobacterium tuberculosis Ag85B
<b>Host species</b>	Rabbit
<b>Specificity</b>	This antibody is specific for the Ag85B protein in sera, plasma or cell culture supernatant.
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB, ELISA
<b>Species reactivity</b>	<b>Reacts with:</b> Mycobacterium tuberculosis
<b>Immunogen</b>	Recombinant full length protein (Mycobacterium tuberculosis)
<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>	Constituents: 0.05% Glycerol (glycerin, glycerine), 0.6057% Tris, 1.2114% Sodium citrate
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

**The Abpromise guarantee** Our [Abpromise guarantee](#) covers the use of ab43019 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

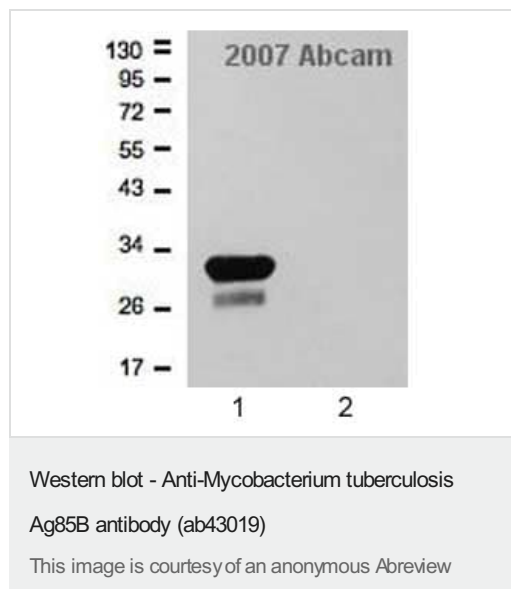
Application	Abreviews	Notes
IHC-P	★★★★★ (1)	Use at an assay dependent concentration.
WB	★★★★★ (2)	1/3000 - 1/8000. Predicted molecular weight: 34 kDa.
ELISA	★★★★★ (1)	1/5000 - 1/10000.

## Target

### Relevance

Antigen 85B is the most abundant protein expressed by *Mycobacterium tuberculosis* (about one quarter). It is a mycolyl transferase in the myc pathway and catalyses - like Ag85A and Ag85C - the transfer of the fatty acid mycolate from one trehalose monomycolate to another, resulting in trehalose dimycolate and free trehalose and helping build the cell wall.

## Images



**All lanes :** Anti-*Mycobacterium tuberculosis* Ag85B antibody (ab43019) at 1/5000 dilution

**All lanes :** *E coli*, expressing his-tagged Ag85b

### Secondary

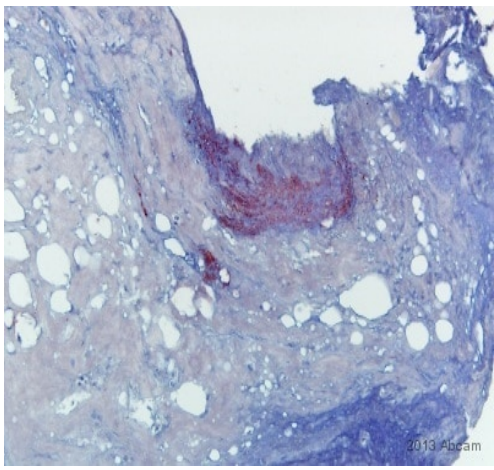
**Lane 1 :** HRP conjugated goat anti-rabbit IgG

**Lane 2 :** HRP conjugated goat anti-rat IgG

**Predicted band size:** 34 kDa

**Observed band size:** 34 kDa

**Additional bands at:** 28 kDa (possible non-specific binding), 28 kDa (possible degradation product)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Mycobacterium tuberculosis Ag85B antibody (ab43019)

This image is courtesy of an anonymous Abreview

**ab17976** staining Mycobacterium tuberculosis Ag85B in Human lung tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde. Samples were incubated with primary antibody (1/100 in antibody diluent) for 1 hour at 25°C. A HRP-conjugated Goat anti-rabbit IgG polyclonal was used as the secondary antibody.

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

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