

Product datasheet

Anti-Mycobacterium tuberculosis Ag85B antibody ab43019

★★★★★ 3 Abreviews 13 References 2 Images

Overview

Product name	Anti-Mycobacterium tuberculosis Ag85B antibody
Description	Rabbit polyclonal to Mycobacterium tuberculosis Ag85B
Host species	Rabbit
Specificity	This antibody is specific for the Ag85B protein in sera, plasma or cell culture supernatant.
Tested applications	Suitable for: IHC-P, WB, ELISA
Species reactivity	Reacts with: Other species
Immunogen	Recombinant full length protein (Mycobacterium tuberculosis)
General notes	<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&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Constituents: 0.05% Glycerol (glycerin, glycerine), 0.6057% Tris, 1.2114% Sodium citrate
Purity	Protein A purified
Clonality	Polyclonal
Isotype	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.

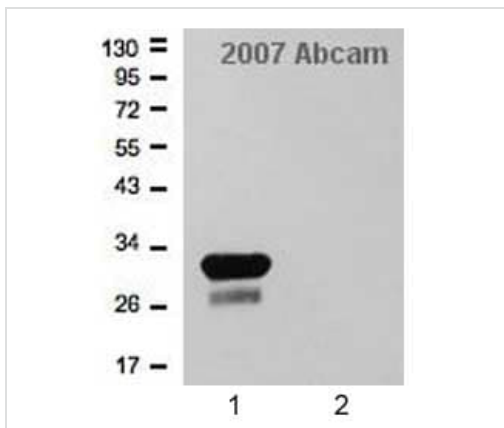
Application	Abreviews	Notes
IHC-P	★★★★☆ (1)	Use at an assay dependent concentration.
WB	★★★★★ (1)	1/3000 - 1/8000. Predicted molecular weight: 34 kDa.
ELISA	★★★★★ (1)	1/5000 - 1/10000.

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



Western blot - Anti-*Mycobacterium tuberculosis* Ag85B antibody (ab43019)

This image is courtesy of an anonymous Abreview

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

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

Secondary

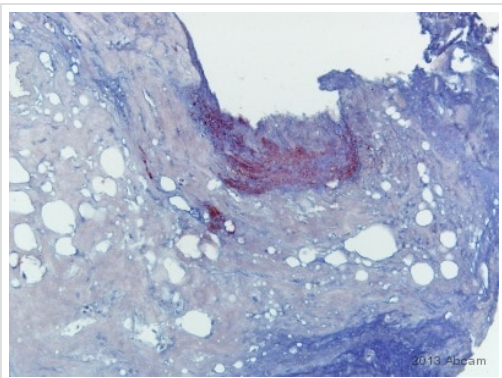
Lane 1 : HRP conjugated goat anti-rabbit IgG

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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