**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)

**Properties**

**Form**  
Liquid

**Storage instructions**  
Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

**Storage buffer**  
Constituent: 0.05% Glycerol

**Purity**  
Protein A purified

**Clonality**  
Polyclonal

**Isotype**  
IgG

**Applications**

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.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>IHC-P</td>
<td>⭐⭐⭐⭐⭐</td>
<td>Use at an assay dependent concentration.</td>
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<tr>
<td>ELISA</td>
<td>⭐⭐⭐⭐⭐</td>
<td>1/5000 - 1/10000.</td>
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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)**

*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)**

*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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