

## Product datasheet

# Anti-CFP10 antibody ab45074

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### Overview

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<b>Product name</b>	Anti-CFP10 antibody
<b>Description</b>	Rabbit polyclonal to CFP10
<b>Host species</b>	Rabbit
<b>Specificity</b>	ab45074 recognises native and E coli expressed recombinant CFP10.
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Species independent
<b>Immunogen</b>	Recombinant full length protein corresponding to CFP10.
<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

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<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 or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.097% Sodium azide Constituent: PBS
<b>Purity</b>	Protein A purified
<b>Purification notes</b>	Purity: > 95% (by SDS-PAGE)
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

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## The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab45074 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	★★★★☆ (1)	Use at an assay dependent concentration.

## Target

### Relevance

CFP10 (10 kDa culture filtrate protein) is a low molecular weight protein isolated from Mycobacterium tuberculosis culture filtrates. CFP10 and the 6 kDa early secretory antigen of T cells (ESAT6) are secreted in abundance by Mycobacterium tuberculosis and are frequently recognized by T cells from infected people. The genes encoding these proteins have been deleted from the genome of the vaccine strain Bacille Calmette Guerin (BCG). CFP10 is one of a small number of secreted M. tuberculosis proteins now identified, that appear to play key roles in tuberculosis pathogenesis and in the stimulation of immunity.

### Cellular localization

Secreted

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

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