

Product datasheet

Anti-CFP10 antibody ab45074

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Overview

Product name	Anti-CFP10 antibody
Description	Rabbit polyclonal to CFP10
Host species	Rabbit
Specificity	ab45074 recognises native and E coli expressed recombinant CFP10.
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mycobacterium tuberculosis
Immunogen	Recombinant full length protein corresponding to CFP10.
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. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.097% Sodium azide Constituent: PBS
Purity	Protein A purified
Purification notes	Purity: > 95% (by SDS-PAGE)
Clonality	Polyclonal
Isotype	IgG

Applications

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

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