

### Anti-Aspergillus antibody ab34953

#### Overview

<b>Product name</b>	Anti-Aspergillus antibody
<b>Description</b>	Rabbit polyclonal to Aspergillus
<b>Host species</b>	Rabbit
<b>Specificity</b>	This antibody reacts with soluble proteins from common Aspergillus species.
<b>Tested applications</b>	<b>Suitable for:</b> ELISA
<b>Species reactivity</b>	<b>Reacts with:</b> Aspergillus
<b>Immunogen</b>	Tissue, cells or virus corresponding to Aspergillus. Soluble extract from A. fumigates, A. flavus, A. niger and A. terreus.
<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>	pH: 7.40 Preservative: 0.1% Sodium azide Constituent: PBS
<b>Purification notes</b>	This antibody is greater than 95% pure.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

#### Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab34953 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
ELISA		

#### Application notes

Dot blot: Use at an assay dependent dilution.

ELISA: Use at an assay dependent dilution.

ICC/IF: Use at an assay dependent dilution.

WB: Use at an assay dependent dilution.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

#### Target

#### Relevance

The genus *Aspergillus* includes over 185 species. Around 20 species have been reported as causative agents of opportunistic infections in humans. Among these, *Aspergillus fumigatus* is the most commonly isolated species, followed by *Aspergillus flavus*. *Aspergillus fumigatus* is the major cause of aspergillosis. This organism causes both invasive and allergic aspergillosis. *Aspergillus* also produce fungal toxins called mycotoxins. Aflatoxin is produced by *Aspergillus flavus* as it grows on corn and peanuts. The toxin is poisonous to humans by ingestion and causes liver disease. *Aspergillus nidulans* can produce the mycotoxin sterigmatocystin. This toxin has been shown to produce liver and kidney damage in lab animals. *Aspergillus ochraceus*, found in grains, soil and salted food products can produce a kidney toxin called ochratoxin A, which may produce ochratoxicosis in humans. Ochratoxin may also be produced by other *aspergillus* and *penicillium* species. Other toxins that can be produced by this fungus include penicillic acid, xanthomegnin and viomellein. *Aspergillus* infections have a very high mortality rate. Their incidence is growing because of the increased number of immunocompromised patients. Previous to antibodies such as these, special stains were used to identify *aspergillus*. *Aspergillus oryzae* and *Aspergillus niger* are used extensively in industrial scale fermentation to produce enzymes for processing household food and drink products.

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

#### Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

#### Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors