

## Product datasheet

# Anti-Dihydrofolate reductase (DHFR) antibody ab49881

★★★★☆ 5 Abreviews 6 References 1 Image

### Overview

<b>Product name</b>	Anti-Dihydrofolate reductase (DHFR) antibody
<b>Description</b>	Rabbit polyclonal to Dihydrofolate reductase (DHFR)
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Hamster, Human, Recombinant fragment <b>Predicted to work with:</b> Mouse, Rat, Cow, Pig
<b>Immunogen</b>	Synthetic peptide corresponding to Human Dihydrofolate reductase (DHFR) aa 27-40 (N terminal) conjugated to keyhole limpet haemocyanin (Cysteine residue). Sequence: PLRNEFRYFQRMTT  Database link: <a href="#">P00374</a>  <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
<b>Positive control</b>	WB: Recombinant DHFR.
<b>General notes</b>	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications &amp; species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications &amp; species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications &amp; species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.</p> <p>Applications &amp; species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.</p> <p>Please check that this product meets your needs before purchasing. 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, as well as</p>

customer reviews and Q&As.

## Properties

<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 Constituents: 0.0268% PBS, 1% BSA
<b>Purification notes</b>	This antibody is affinity isolated.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

Our [Abpromise guarantee](#) covers the use of **ab49881** in the following tested applications.

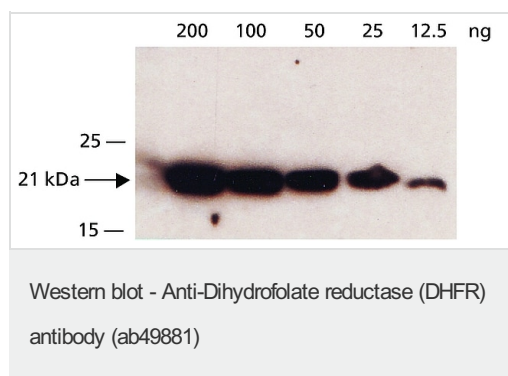
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★☆	Use a concentration of 0.5 - 1 µg/ml. Predicted molecular weight: 21 kDa.

## Target

<b>Function</b>	Key enzyme in folate metabolism. Catalyzes an essential reaction for de novo glycine and purine synthesis, and for DNA precursor synthesis.
<b>Pathway</b>	Cofactor biosynthesis; tetrahydrofolate biosynthesis; 5,6,7,8-tetrahydrofolate from 7,8-dihydrofolate: step 1/1.
<b>Sequence similarities</b>	Belongs to the dihydrofolate reductase family. Contains 1 DHFR (dihydrofolate reductase) domain.

## Images



**All lanes** : Anti-Dihydrofolate reductase (DHFR) antibody (ab49881) at 0.5 µg/ml

**Lane 1** : recombinant DHFR at 0.2 µg

**Lane 2** : recombinant DHFR at 0.1 µg

**Lane 3** : recombinant DHFR at 0.05 µg

**Lane 4** : recombinant DHFR at 0.025 µg

**Lane 5** : recombinant DHFR at 0.0125 µg

Developed using the ECL technique.

**Predicted band size:** 21 kDa

**Observed band size:** 21 kDa

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

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- Extensive multi-media technical resources to help you
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