


Product datasheet

Anti-Dihydrofolate reductase (DHFR) antibody ab152159

[3 Images](#)

Overview

| | |
|----------------------------|---|
| Product name | Anti-Dihydrofolate reductase (DHFR) antibody |
| Description | Rabbit polyclonal to Dihydrofolate reductase (DHFR) |
| Host species | Rabbit |
| Tested applications | Suitable for: WB, IHC-P, ICC/IF |
| Species reactivity | Reacts with: Human Predicted to work with: Mouse, Rat, Cow  |
| Immunogen | Recombinant fragment corresponding to a region within amino acids 1-187 of Human Dihydrofolate reductase (DHFR) (Uniprot ID: P00374). |
| Positive control | Human colon carcinoma tissue; A431 cells; 293T, A431, Jurkat, Raji whole cell lysates. |
| 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. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. |
| Storage buffer | pH: 7.00 Preservative: 0.025% Proclin 300 Constituents: 79% PBS, 20% Glycerol (glycerin, glycerine) |
| Purity | Immunogen affinity purified |
| Clonality | Polyclonal |
| Isotype | IgG |

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab152159 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 | | 1/500 - 1/3000. Predicted molecular weight: 21 kDa. |
| IHC-P | | 1/100 - 1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. Antigen retrieval also possible using Tris-EDTA buffer (pH8.0). |
| ICC/IF | | 1/100 - 1/1000. |

Target

Function

Key enzyme in folate metabolism. Catalyzes an essential reaction for de novo glycine and purine synthesis, and for DNA precursor synthesis.

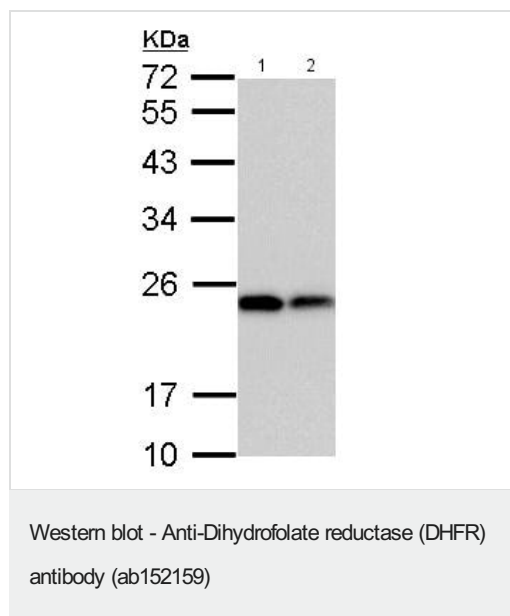
Pathway

Cofactor biosynthesis; tetrahydrofolate biosynthesis; 5,6,7,8-tetrahydrofolate from 7,8-dihydrofolate: step 1/1.

Sequence similarities

Belongs to the dihydrofolate reductase family.
Contains 1 DHFR (dihydrofolate reductase) domain.

Images



All lanes : Anti-Dihydrofolate reductase (DHFR) antibody (ab152159) at 1/1000 dilution

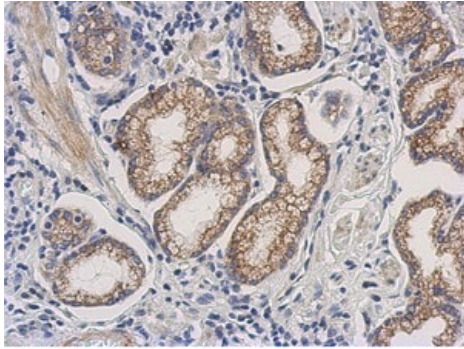
Lane 1 : 293T whole cell lysate

Lane 2 : A431 whole cell lysate

Lysates/proteins at 30 µg per lane.

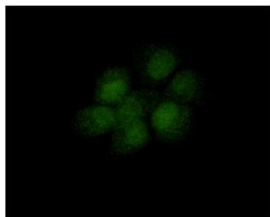
Predicted band size: 21 kDa

12% SDS PAGE

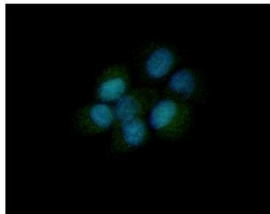


Immunohistochemical analysis of paraffin-embedded Human colon carcinoma tissue, staining Dihydrofolate reductase (DHFR) using ab152159 at a 1/500 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Dihydrofolate reductase (DHFR) antibody (ab152159)



Costained with Hoechst 33342



Immunofluorescence analysis of paraformaldehyde-fixed A431 cells, staining Dihydrofolate reductase (DHFR) using ab152159 at a 1/200 dilution.

Immunocytochemistry/ Immunofluorescence - Anti-Dihydrofolate reductase (DHFR) antibody (ab152159)

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

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- Replacement or refund for products not performing as stated on the datasheet
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- 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

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