

## Product datasheet

# Anti-Dihydrofolate reductase (DHFR) antibody [3A11] ab117984

[1 References](#)   [12 Images](#)

### Overview

<b>Product name</b>	Anti-Dihydrofolate reductase (DHFR) antibody [3A11]
<b>Description</b>	Mouse monoclonal [3A11] to Dihydrofolate reductase (DHFR)
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant Human Dihydrofolate reductase (DHFR) expressed in 293T cells.
<b>Positive control</b>	HEK293T cell lysate transfected with pCMV6-ENTRY Dihydrofolate reductase (DHFR) cDNA; Human breast, breast adenocarcinoma, colon adenocarcinoma, kidney carcinoma, lung, lung carcinoma, ovary adenocarcinoma, pancreas, thyroid carcinoma, endometrium and bladder carcinoma tissues
<b>General notes</b>	Dilute in PBS (pH7.3) before use.

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 48% PBS, 1% BSA, 50% Glycerol
<b>Purity</b>	Protein A purified
<b>Purification notes</b>	ab117984 was purified from mouse ascites fluids by affinity chromatography
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	3A11
<b>Isotype</b>	IgG2b

### Applications

Our [Abpromise guarantee](#) covers the use of **ab117984** in the following tested applications.

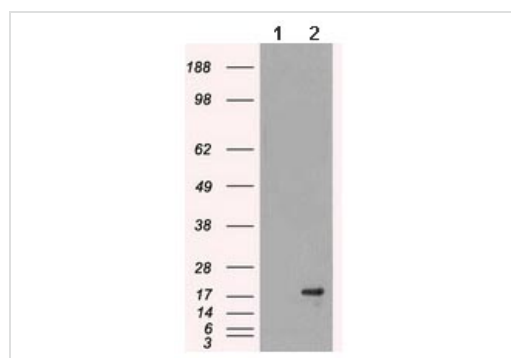
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/2000. Predicted molecular weight: 21 kDa.
IHC-P		1/50.

## 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



Western blot - Anti-Dihydrofolate reductase (DHFR) antibody [3A11] (ab117984)

**All lanes :** Anti-Dihydrofolate reductase (DHFR) antibody [3A11] (ab117984) at 1/2000 dilution

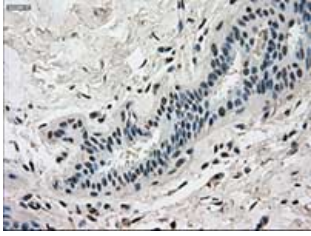
**Lane 1 :** HEK293T cell lysate transfected with pCMV6-ENTRY control

**Lane 2 :** HEK293T cell lysate transfected with pCMV6-ENTRY Dihydrofolate reductase (DHFR) cDNA

Lysates/proteins at 5 µg per lane.

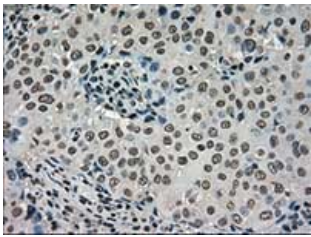
**Predicted band size:** 21 kDa

HEK293T cell lysates were generated from transient transfection of the cDNA clone (RC200089)



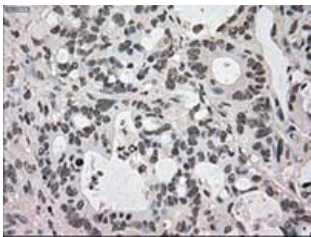
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Dihydrofolate reductase (DHFR) antibody [3A11] (ab117984)

ab117984, at 1/50 dilution, staining Dihydrofolate reductase (DHFR) in paraffin-embedded Human breast tissue by Immunohistochemistry.



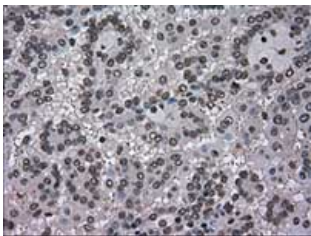
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Dihydrofolate reductase (DHFR) antibody [3A11] (ab117984)

ab117984, at 1/50 dilution, staining Dihydrofolate reductase (DHFR) in paraffin-embedded Human breast adenocarcinoma tissue by Immunohistochemistry.



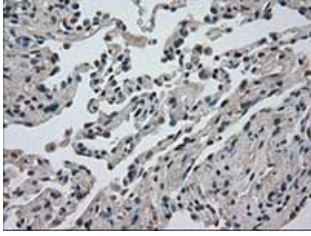
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Dihydrofolate reductase (DHFR) antibody [3A11] (ab117984)

ab117984, at 1/50 dilution, staining Dihydrofolate reductase (DHFR) in paraffin-embedded Human colon adenocarcinoma tissue by Immunohistochemistry.



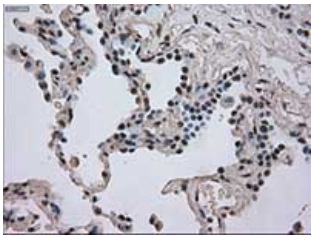
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Dihydrofolate reductase (DHFR) antibody [3A11] (ab117984)

ab117984, at 1/50 dilution, staining Dihydrofolate reductase (DHFR) in paraffin-embedded Human kidney carcinoma tissue by Immunohistochemistry.



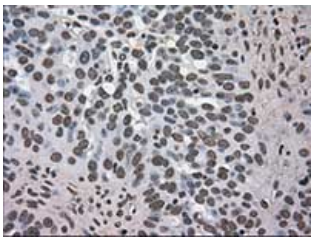
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Dihydrofolate reductase (DHFR) antibody [3A11] (ab117984)

ab117984, at 1/50 dilution, staining Dihydrofolate reductase (DHFR) in paraffin-embedded Human lung tissue by Immunohistochemistry.



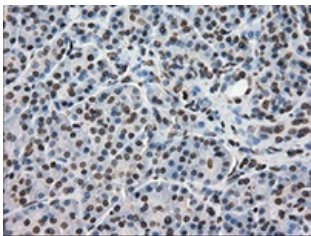
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Dihydrofolate reductase (DHFR) antibody [3A11] (ab117984)

ab117984, at 1/50 dilution, staining Dihydrofolate reductase (DHFR) in paraffin-embedded Human lung carcinoma tissue by Immunohistochemistry.



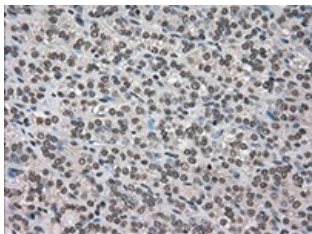
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Dihydrofolate reductase (DHFR) antibody [3A11] (ab117984)

ab117984, at 1/50 dilution, staining Dihydrofolate reductase (DHFR) in paraffin-embedded Human ovary adenocarcinoma tissue by Immunohistochemistry.



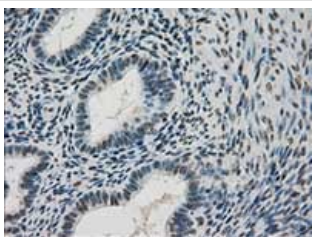
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Dihydrofolate reductase (DHFR) antibody [3A11] (ab117984)

ab117984, at 1/50 dilution, staining Dihydrofolate reductase (DHFR) in paraffin-embedded Human pancreas tissue by Immunohistochemistry.



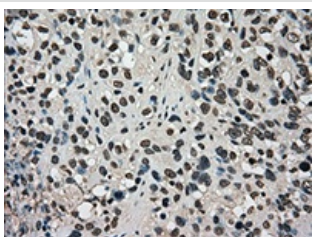
ab117984, at 1/50 dilution, staining Dihydrofolate reductase (DHFR) in paraffin-embedded Human thyroid carcinoma tissue by Immunohistochemistry.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Dihydrofolate reductase (DHFR) antibody [3A11] (ab117984)



ab117984, at 1/50 dilution, staining Dihydrofolate reductase (DHFR) in paraffin-embedded Human endometrium tissue by Immunohistochemistry.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Dihydrofolate reductase (DHFR) antibody [3A11] (ab117984)



ab117984, at 1/50 dilution, staining Dihydrofolate reductase (DHFR) in paraffin-embedded Human bladder carcinoma tissue by Immunohistochemistry.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Dihydrofolate reductase (DHFR) antibody [3A11] (ab117984)

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