

#### **Anti-DHFR Monoclonal Antibody**

Catalog # ABO14413

# **Specification**

### **Anti-DHFR Monoclonal Antibody - Product Information**

Application WB, IHC, IF, ICC

Primary Accession
Host
Rabbit
Isotype
Rabbit IgG

Reactivity Rat, Human, Mouse

Clonality Monoclonal Format Liquid

**Description** 

Anti-DHFR Monoclonal Antibody . Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human, Mouse, Rat.

# **Anti-DHFR Monoclonal Antibody - Additional Information**

**Gene ID 1719** 

**Other Names** 

Dihydrofolate reductase, 1.5.1.3, DHFR

**Application Details** 

WB 1:1000-1:5000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200</br>

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen** 

A synthesized peptide derived from human DHFR Key enzyme in folate metabolism. Catalyzes an essential reaction for de novo glycine and purine synthesis, and for DNA precursor synthesis.

**Purification** 

Affinity-chromatography

Storage Store at -20°C for one year. For short term

storage and frequent use, store at 4°C for

up to one month. Avoid repeated

freeze-thaw cycles.

### **Anti-DHFR Monoclonal Antibody - Protein Information**

**Name DHFR** 

**Function** 

Key enzyme in folate metabolism. Contributes to the de novo mitochondrial thymidylate





Tel: 858.875.1900 Fax: 858.875.1999

biosynthesis pathway. Catalyzes an essential reaction for de novo glycine and purine synthesis, and for DNA precursor synthesis. Binds its own mRNA and that of DHFR2.

#### **Cellular Location**

Mitochondrion {ECO:0000250|UniProtKB:P00375}. Cytoplasm {ECO:0000250|UniProtKB:P00375}

#### **Tissue Location**

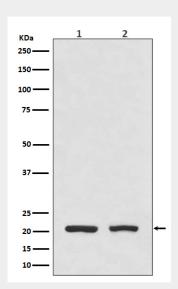
Widely expressed in fetal and adult tissues, including throughout the fetal and adult brains and whole blood Expression is higher in the adult brain than in the fetal brain

# **Anti-DHFR Monoclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

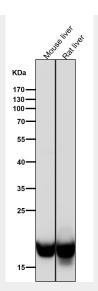
- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

#### Anti-DHFR Monoclonal Antibody - Images

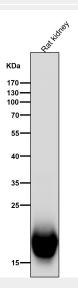


Western blot analysis of DHFR expression in (1) HeLa cell lysate; (2) Mouse spleen lysate.

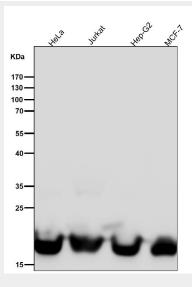




All lanes use the Antibody at 1:8K dilution for 1 hour at room temperature.



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