.-online.com antibodies

# Datasheet for ABIN6261285 anti-Dihydrofolate Reductase antibody

3 Images



Overview

Quantity:	100 μL
Target:	Dihydrofolate Reductase (DHFR)
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Dihydrofolate Reductase antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

## Product Details

Immunogen:	A synthesized peptide derived from human DHFR
Isotype:	IgG
Specificity:	DHFR Antibody detects endogenous levels of total DHFR
Cross-Reactivity:	Human, Mouse (Murine), Rat (Rattus)
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink <sup>TM</sup> Coupling Resin (Thermo Fisher Scientific).

# Target Details

Target:	Dihydrofolate Reductase (DHFR)
Alternative Name:	DHFR (DHFR Products)

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Target Details	
Background:	Description: Key enzyme in folate metabolism. Contributes to the de novo mitochondrial thymidylate 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. Gene: DHFR
Molecular Weight:	21kDa
Gene ID:	1719
UniProt:	P00374
Pathways:	Mitotic G1-G1/S Phases
Application Details	
Application Notes:	WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Expiry Date:

Storage Comment:

Preservative:

Storage:

Precaution of Use:

Sodium azide

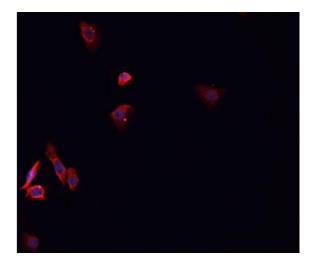
-20 °C

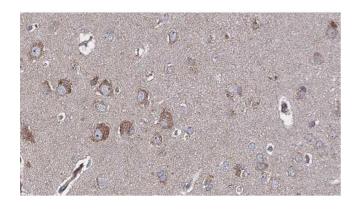
12 months

should be handled by trained staff only.

Store at -20 °C.Stable for 12 months from date of receipt

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#### Immunofluorescence (fixed cells)

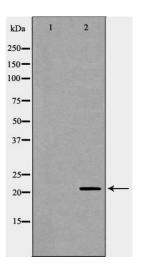
**Image 1.** ABIN6276758 staining HepG2? cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25jaC. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at  $37_jaC$ . An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody(Cat.# S0006), diluted at 1/600, was used as secondary antibod

### Immunohistochemistry

**Image 2.** ABIN6276758 at 1/100 staining Human brain cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22jãC. An HRP conjugated goat anti-rabbit antibody was used as the secondary

### Western Blotting

**Image 3.** Western blot analysis of Hela whole cell lysates, using DHFR Antibody. The lane on the left is treated with the antigen-specific peptide.



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