

## ARG58022 anti-DHFR antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes DHFR
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	DHFR
Species	Human
Immunogen	Recombinant protein corresponding to aa. 2-187 of Human DHFR.
Conjugation	Un-conjugated
Alternate Names	EC 1.5.1.3; DHFRP1; DYR; Dihydrofolate reductase

### Application Instructions

Application table	Application	Dilution
	IHC-P	1 - 5 µg/ml
	WB	0.5 - 1 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

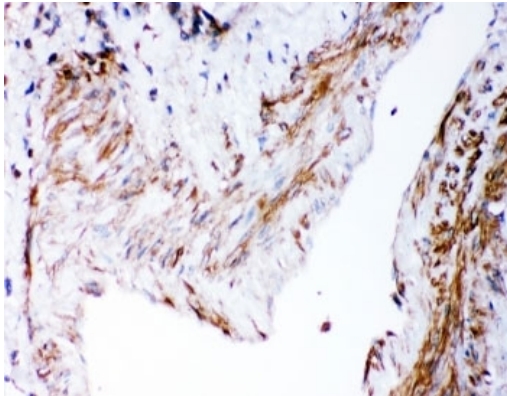
### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.025% Sodium azide and 2.5% BSA.
Preservative	0.025% Sodium azide
Stabilizer	2.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

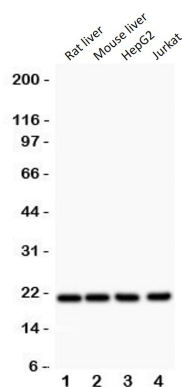
Gene Symbol	DHFR
Gene Full Name	dihydrofolate reductase
Background	Dihydrofolate reductase converts dihydrofolate into tetrahydrofolate, a methyl group shuttle required for the de novo synthesis of purines, thymidylic acid, and certain amino acids. While the functional dihydrofolate reductase gene has been mapped to chromosome 5, multiple intronless processed pseudogenes or dihydrofolate reductase-like genes have been identified on separate chromosomes. Dihydrofolate reductase deficiency has been linked to megaloblastic anemia. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2014]
Function	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 DHFRL1. [UniProt]
Calculated Mw	21 kDa

## Images



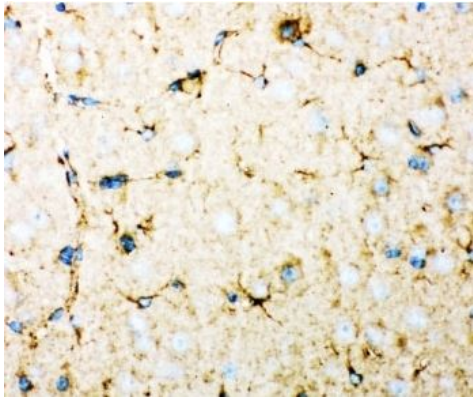
ARG58022 anti-DHFR antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung cancer tissue stained with ARG58022 anti-DHFR antibody.



ARG58022 anti-DHFR antibody WB image

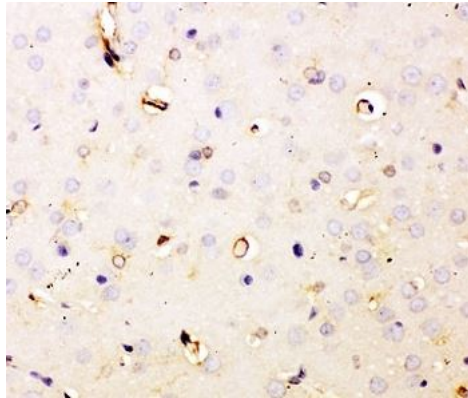
Western blot: 1) Rat liver, 2) Mouse liver, 3) HepG2 and 4) Jurkat cell lysates stained with ARG58022 anti-DHFR antibody.



ARG58022 anti-DHFR antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse brain tissue stained with ARG58022 anti-DHFR antibody.

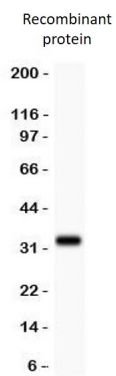
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ARG58022 anti-DHFR antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat brain tissue stained with ARG58022 anti-DHFR antibody.

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ARG58022 anti-DHFR antibody WB image

Western blot: 0.5 ng of recombinant Human protein stained with ARG58022 anti-DHFR antibody.

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