ARG57150
anti-DHFR antibody [5B2]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [5B2] recognizes DHFR
Tested Reactivity	Hu
Tested Application	WB
Host	Mouse
Clonality	Monoclonal
Clone	5B2
Isotype	IgG1, kappa
Target Name	DHFR
Species	Human
Immunogen	Recombinant fragment around aa. 1-187 of Human DHFR
Conjugation	Un-conjugated
Alternate Names	EC 1.5.1.3; DHFRP1; DYR; Dihydrofolate reductase

Application Instructions

Application table

Application	Dilution
WB	1:500 - 1:1000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

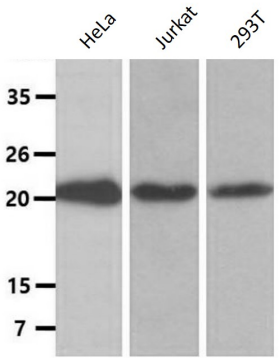
Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 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. 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

Database links	GeneID: 1719 Human Swiss-port # P00374 Human
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



ARG57150 anti-DHFR antibody [5B2] WB image

Western blot: 40 µg of 1) HeLa, 2) Jurkat, and 3) 293T cell lysates stained with ARG57150 anti-DHFR antibody [5B2] at 1:1000 dilution.