

Rabbit Dihydrofolate reductase Polyclonal Antibody | anti-DHFR antibody

Anti-DHFR Antibody

CATALOG # AAA46081	HOST Rabbit	REACTIVITY Human, Mouse, Rat. No cross reactivity with other proteins.	APPLICATIONS Immunohistochemistry, Western Blot
------------------------------	-----------------------	--	---

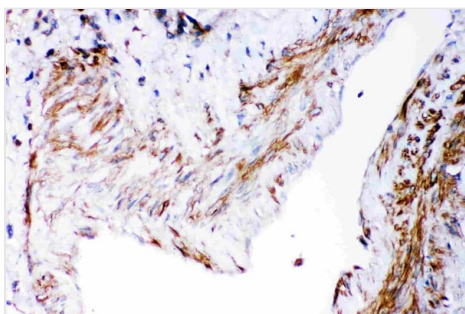
PRODUCT SYNONYMS

Dihydrofolate reductase; Polyclonal Antibody; Anti-DHFR Antibody; DHFR antibody; DHFRP1 antibody; Dihydrofolate reductase antibody; DYR antibody; DYR_HUMAN antibody; EC 1.5.1.3 antibody; dihydrofolate reductase; anti-DHFR antibody

PRODUCT SPECIFICATIONS

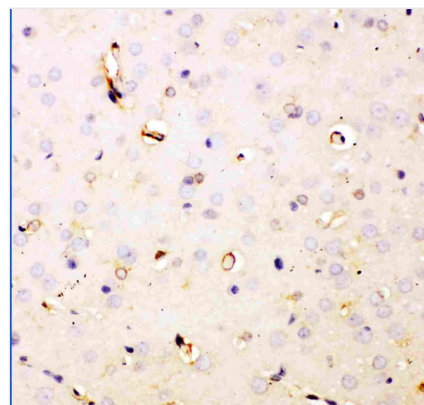
Host	Rabbit
Reactivity	Human, Mouse, Rat. No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	187
Applicable Applications for anti-DHFR antibody	IHC (Immunohistochemistry), WB (Western Blot)
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	E.coli-derived human DHFR recombinant protein (Position: V2-D187). Human DHFR shares 90% amino acid (aa) sequence identity with both mouse and rat DHFR.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



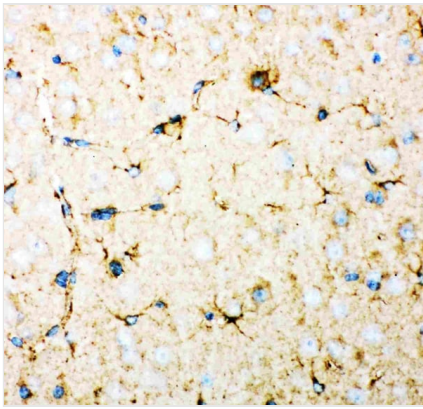
IHC (Immunohistochemistry)

Anti- DHFR Picoband antibody, AAA46081,IHC(P)IHC(P): Human Lung Cancer Tissue

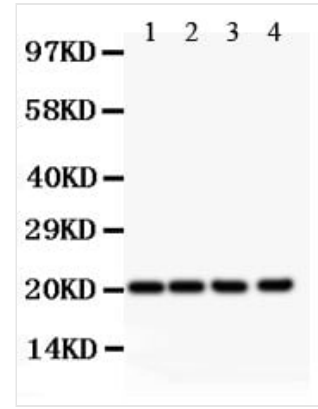


IHC (Immunohistochemistry)

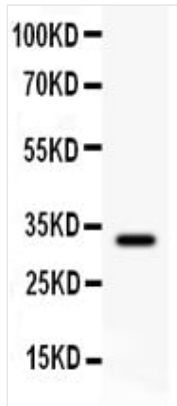
Anti- DHFR Picoband antibody, AAA46081,IHC(P)IHC(P): Rat Brain Tissue



IHC (Immunohistochemisry)
Anti- DHFR Picoband antibody, AAA46081,IHC(P)IHC(P): Mouse Brain Tissue



WB (Western Blot)
Anti- DHFR Picoband antibody, AAA46081, Western blottingAll lanes: Anti DHFR (AAA46081) at 0.5ug/mlLane 1: Rat Liver Tissue Lysate at 50ugLane 2: Mouse Liver Tissue Lysate at 50ugLane 3: HepG2 Whole Cell Lysate at 40ugLane 4: Jurkat Whole Cell Lysate at 40ugPredicted bind size: 21KDObserved bind size: 21KD



WB (Western Blot)
Anti- DHFR Picoband antibody, AAA46081, Western blottingAll lanes: Anti DHFR (AAA46081) at 0.5ug/mlWB: Recombinant Human DHFR Protein 0.5ngPredicted bind size: 32KDObserved bind size: 32KD

ADDITIONAL INFORMATION

Related Product Information for anti-DHFR antibody

Description: Rabbit IgG polyclonal antibody for Dihydrofolate reductase(DHFR) detection. Tested with WB, IHC-P in Human;Mouse;Rat.

Background: Dihydrofolate reductase, or DHFR, is an enzyme that reduces dihydrofolic acid to tetrahydrofolic acid, using NADPH as electron donor, which can be converted to the kinds of tetrahydrofolate cofactors used in 1-carbon transfer chemistry. In humans, the DHFR enzyme is encoded by the DHFR gene. It is found in the q11-->q22 region of chromosome 5. What's more, DHFR belongs to the dihydrofolate reductase family, and it converts dihydrofolate into tetrahydrofolate, a methyl group shuttle required for the de novo synthesis of purines, thymidylc acid, and certain amino acids. DHFR is the key enzyme in folate metabolism. In addition, DHFR catalyzes an essential reaction for de novo glycine and purine synthesis, and for DNA precursor synthesis.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503323
NCBI GeneID	1719
NCBI Accession #	NP_000782.1
NCBI GenBank Nucleotide #	NM_000791.3
UniProt Accession #	P00374; Q14130; Q6IRW8; B4DDD2
Molecular Weight	15,672 Da

NCBI Official Full Name	dihydrofolate reductase isoform 1
NCBI Official Synonym Full Names	dihydrofolate reductase
NCBI Official Symbol	DHFR
NCBI Official Synonym Symbols	DYR; DHFRP1
NCBI Protein Information	dihydrofolate reductase
UniProt Protein Name	Dihydrofolate reductase
UniProt Gene Name	DHFR
UniProt Entry Name	DYR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/dihydrofolate-reductase-antibody-immunohistochemistry-western-blot-elisa/46081>