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Datasheet for ABIN3028616

anti-Dihydrofolate Reductase antibody (AA 1-50)

5 Images

Overview

Quantity:	0.4 mL
Target:	Dihydrofolate Reductase (DHFR)
Binding Specificity:	AA 1-50
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Dihydrofolate Reductase antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	A portion of amino acids 1-50 from human Dihydrofolate reductase was used as the immunogen for this DHFR antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Bovine, Pig
Purification:	Antigen affinity purified

Target Details

Target:	Dihydrofolate Reductase (DHFR)
Alternative Name:	DHFR (DHFR Products)
Background:	Key enzyme in folate metabolism. Contributes to the de novo mitochondrial thymidylate

Target Details

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: [P00374](#)

Pathways: [Mitotic G1-G1/S Phases](#)

Application Details

Application Notes: Titration of the DHFR antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. IHC (Paraffin): 1:25,Western blot: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

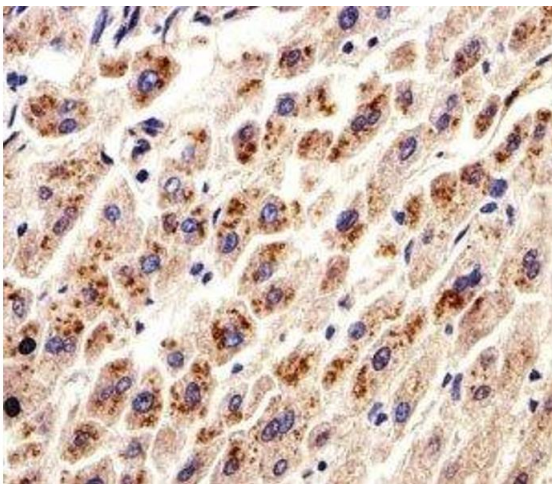
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

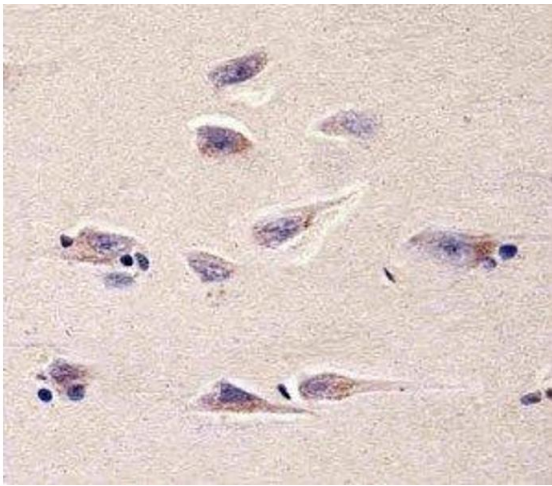
Storage Comment: Aliquot the DHFR antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

Images



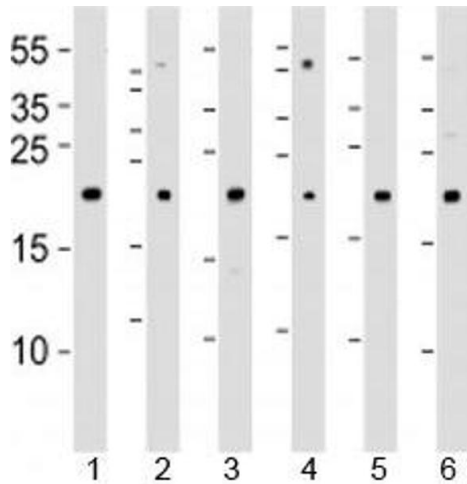
Immunohistochemistry

Image 1. IHC analysis of FFPE human liver section using DHFR antibody; Ab was diluted at 1:25.



Immunohistochemistry

Image 2. Immunohistochemical analysis of paraffin-embedded human brain section using DHFR antibody; Ab was diluted at 1:25 dilution.



Western Blotting

Image 3. Western blot analysis of lysate from 1) 293T, 2) HeLa, 3) Jurkat, 4) Y79 cell line, 5) mouse spleen and 6) rat kidney tissue lysate using DHFR antibody at 1:1000. Predicted molecular weight ~22 kDa.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3028616.