

Datasheet for ABIN7266764

anti-Dihydrofolate Reductase antibody[Go to Product page](#)**1** Image

Overview

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|--------------|--|
| Quantity: | 100 µL |
| Target: | Dihydrofolate Reductase (DHFR) |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Monoclonal |
| Conjugate: | This Dihydrofolate Reductase antibody is un-conjugated |
| Application: | Western Blotting (WB) |

Product Details

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|-------------------|---|
| Purpose: | DHFR Rabbit mAb |
| Immunogen: | A synthesized peptide derived from human DHFR |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Characteristics: | Monoclonal Antibodies |
| Purification: | Affinity purification |

Target Details

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|-------------------|--|
| Target: | Dihydrofolate Reductase (DHFR) |
| Alternative Name: | DHFR (DHFR Products) |
| Background: | Dihydrofolate reductase converts dihydrofolate into tetrahydrofolate, a methyl group shuttle |

Target Details

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],DHFRP1, DYR,Amino acid metabolism,Cancer,Cell Biology & Developmental Biology,Endocrine & Metabolism,Nucleotide metabolism,Signal Transduction,DHFR

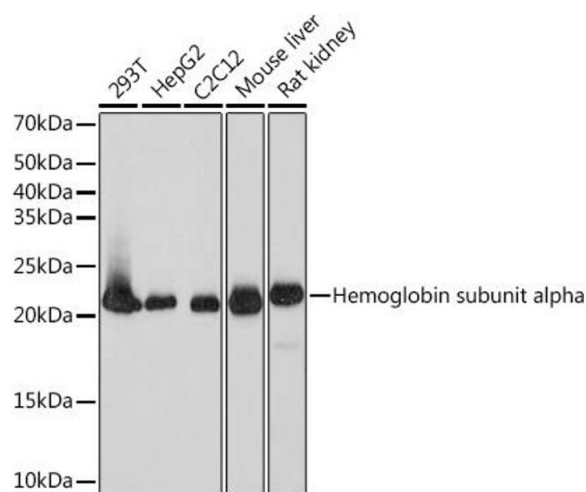
| | |
|-------------------|--|
| Molecular Weight: | 21kDa |
| Gene ID: | 1719 |
| UniProt: | P00374 |
| Pathways: | Mitotic G1-G1/S Phases |

Application Details

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|--------------------|-----------------------|
| Application Notes: | WB,1:500 - 1:2000 |
| Restrictions: | For Research Use only |

Handling

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|--------------------|--|
| Format: | Liquid |
| Buffer: | PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3. |
| 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: | Store at -20°C. Avoid freeze / thaw cycles. |



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using DHFR Rabbit mAb (ABIN7266764) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 3s.