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Mouse DHFR Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7378b

Specification

Mouse DHFR Antibody (C-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	P00375
Reactivity	**Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**21606**
Antigen Region	**135-164**

Mouse DHFR Antibody (C-term) - Additional Information

Gene ID 13361

Other Names
Dihydrofolate reductase, Dhfr

Target/Specificity
This Mouse DHFR antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 135-164 amino acids from the C-terminal region of mouse DHFR.

Dilution
WB~~1:2000
IHC-P~~1:50~100

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Mouse DHFR Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Mouse DHFR Antibody (C-term) - Protein Information

Name Dhfr

Function Key enzyme in folate metabolism. Contributes to the de novo mitochondrial thymidylate biosynthesis pathway (PubMed:25980602). Catalyzes an essential reaction for de novo glycine and

purine synthesis, and for DNA precursor synthesis (PubMed:25980602). Binds its own mRNA.

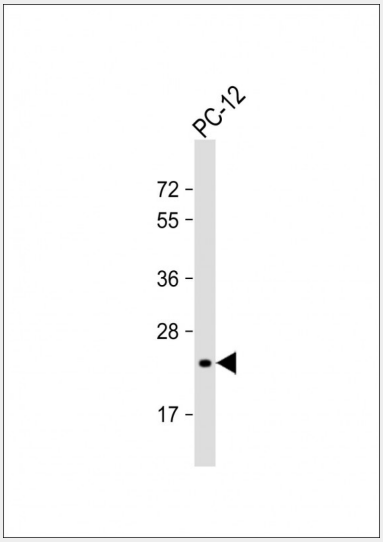
Cellular Location
Mitochondrion. Cytoplasm

Mouse DHFR Antibody (C-term) - Protocols

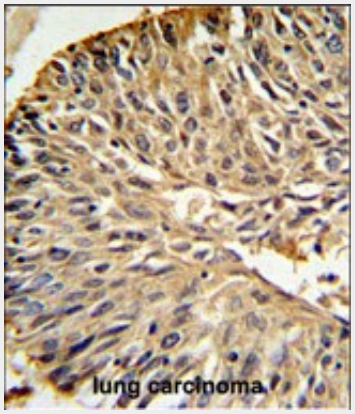
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Mouse DHFR Antibody (C-term) - Images



Anti-DHFR Antibody (C-term) at 1:2000 dilution + PC-12 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 22 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



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DHFR Antibody (C-term) (Cat.# AP7378b) IHC analysis in formalin fixed and paraffin embedded human lung carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the DHFR Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Mouse DHFR Antibody (C-term) - 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.

Mouse DHFR Antibody (C-term) - References

Cody,V., Proteins 65 (4), 959-969 (2006)
Stone,D., J. Biol. Chem. 254 (2), 480-488 (1979)