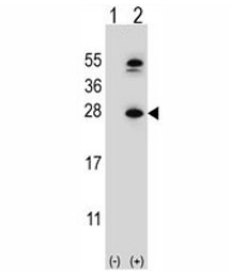
DHFR Antibody (F50355)

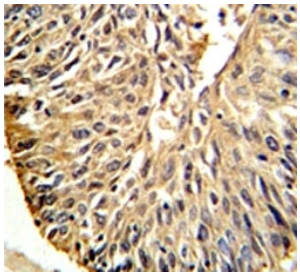
Catalog No.	Formulation	Size
F50355-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F50355-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

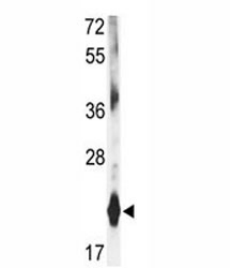
Availability	1-3 business days
Species Reactivity	Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P00375
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:50-1:100
Limitations	This DHFR antibody is available for research use only.



Western blot analysis of DHFR antibody and 293 cell lysate either nontransfected (Lane 1) or transiently transfected (2) with the DHFR gene. Predicted molecular weight ~22 kDa.



DHFR antibody IHC analysis in formalin fixed and paraffin embedded human lung carcinoma.



Western blot analysis of DHFR antibody and mouse liver tissue lysate

Description

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.

Application Notes

Titration of the DHFR antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 135-164 from mouse Dihydrofolate reductase was used as the immunogen for this DHFR antibody.

Storage

Aliquot the DHFR antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.