
Product Name: MTHFR Mouse Monoclonal Antibody**Catalog #: AMM80981**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ELISA
Reactivity	Human,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	PBS containing 0.03% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000
Molecular Weight	75kDa

Antigen Information

Gene Name	MTHFR
Alternative Names	MTHFR
Gene ID	4524.0
SwissProt ID	P42898
Immunogen	Purified recombinant fragment of human MTHFR expressed in E. Coli.

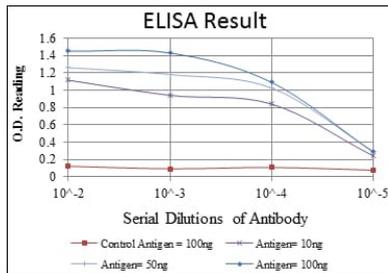
Background

The protein encoded by this gene catalyzes the conversion of 5,10-methylenetetrahydrofolate to 5-methyltetrahydrofolate, a co-substrate for homocysteine remethylation to methionine. Genetic variation in this gene influences susceptibility to occlusive vascular disease, neural tube defects, colon cancer and acute leukemia, and mutations in this gene are associated with

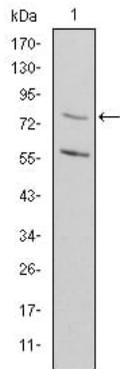
methylenetetrahydrofolate reductase deficiency.

Research Area

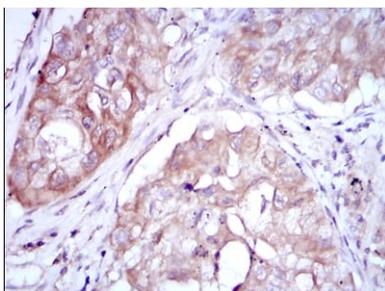
Image Data



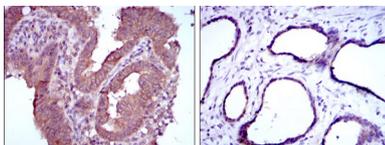
Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);



Western blot analysis using MTHFR mouse mAb against Rat Heart cell lysate.



Immunohistochemical analysis of paraffin-embedded human lung cancer using MTHFR mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human intima cancer tissues (left) and prostate tissues (right) using MTHFR mouse mAb with DAB staining.