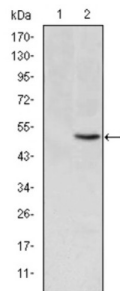
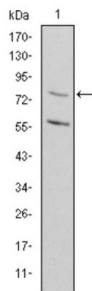


Methylenetetrahydrofolate Reductase (MTHFR) Antibody

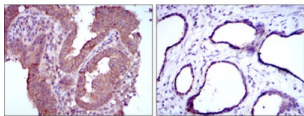
Catalogue No.:abx011720



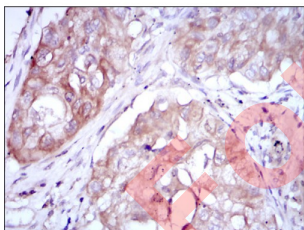
Western blot analysis using MTHFR antibody against Rat Heart cell lysate.



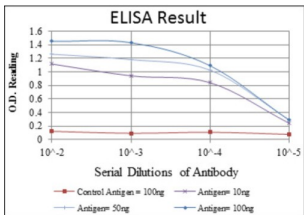
Western blot analysis using MTHFR antibody against HEK293 (1) and MTHFR (AA: 339-499) - hlgGFc transfected HEK293 (2) cell lysate.



Immunohistochemical analysis of paraffin-embedded lung cancer using MTHFR antibody with DAB staining.



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



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

Datasheet

Version: 4.0.0
Revision date: 20 Aug 2025



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.

Target:	Methylenetetrahydrofolate Reductase (MTHFR)
Clonality:	Monoclonal
Reactivity:	Human, Rat
Tested Applications:	ELISA, WB, IHC
Host:	Mouse
Recommended dilutions:	ELISA: 1/10000, WB: 1/500 - 1/2000, IHC: 1/200 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Purified recombinant fragment of human MTHFR expressed in E. coli.
Isotype:	IgG ₁
Form:	Liquid
Purification:	Unpurified ascites.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P42898 (UniProt , ExPASy)
GeneID:	4524
KEGG:	hsa:4524
String:	9606.ENSP00000365777
Molecular Weight:	75 kDa
Buffer:	Ascitic fluid containing 0.03% sodium azide.
Concentration:	Not determined.

Datasheet

Version: 4.0.0

Revision date: 20 Aug 2025



Note:

THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only