

[KD]MTHFR Rabbit mAb

Catalog # AP75749

Product Information

Application	WB, IHC-P, IP
Primary Accession	P42898
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	74597

Additional Information

Gene ID	4524
Other Names	MTHFR
Dilution	WB~~1:500-1:1000 IHC-P~~N/A IP~~1:20
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

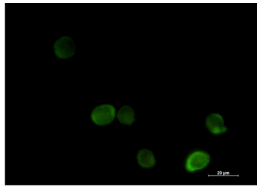
Protein Information

Name	MTHFR (HGNC:7436)
Function	Catalyzes the conversion of 5,10-methylenetetrahydrofolate to 5-methyltetrahydrofolate, a cosubstrate for homocysteine remethylation to methionine (PubMed: 29891918). Represents a key regulatory connection between the folate and methionine cycles (Probable).

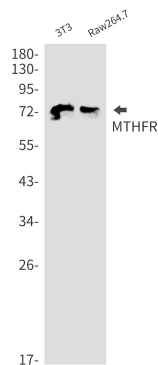
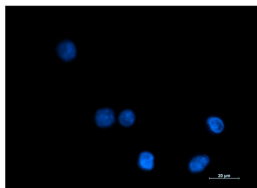
Background

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.

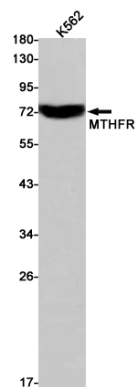
Images



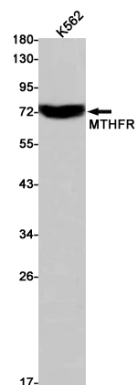
Immunocytochemistry analysis of MTHFR (green) in K562 using MTHFR antibody, and DAPI(blue).



Western blot analysis of MTHFR in 3T3, Raw264.7 lysates using MTHFR antibody.



Western blot analysis of MTHFR in K562 lysates using MTHFR antibody



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