

Product Name: KD-Validated MTHFR Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00392**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM
Reactivity	Human,M
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:100-1:1,000
Molecular Weight	Calculated MW: 74.6kDa

Antigen Information

Gene Name	MTHFR
Alternative Names	MTHFR; Methylenetetrahydrofolate Reductase; 5,10-Methylenetetrahydrofolate Reductase (NADPH); Methylenetetrahydrofolate Reductase (NAD(P)H); Methylenetetrahydrofolate Reductase (NADPH); EC 1.5.1.53; EC 1.5.1.20
Gene ID	4524.0
SwissProt ID	P42898
Immunogen	Recombinant protein of human MTHFR

Background

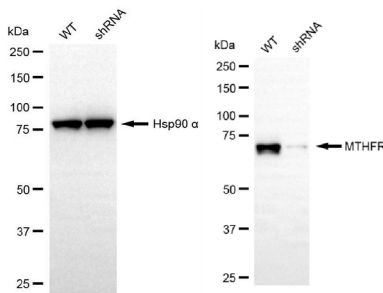
The protein encoded by this gene catalyzes the conversion of 5,10-methylenetetrahydrofolate to 5-methyltetrahydrofolate, a co-substrate for homocysteine remethylation to methionine. Genetic variation in this gene influences susceptibility to occlusive

vascular disease, neural tube defects, colon cancer and acute leukemia, and mutations in this gene are associated with methylenetetrahydrofolate reductase deficiency.[provided by RefSeq, Oct 2009]

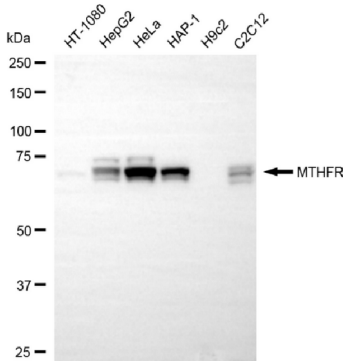
Research Area

Signal Transduction, Metabolism

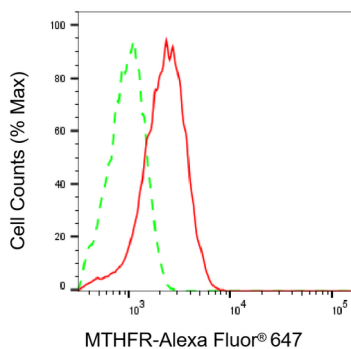
Image Data



Western blotting analysis using MTHFR antibody (KVA00392). MTHFR expression in wild-type (WT) and MTHFR shRNA knockdown (KD) HeLa cells with 20 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with MTHFR antibody (KVA00392, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using MTHFR antibody (KVA00392). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with MTHFR antibody (KVA00392, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Flow cytometric analysis of MTHFR expression in HeLa cells using MTHFR antibody (KVA00392, 1:2,000). Green, isotype control; red, MTHFR.