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MTRR (C) Antibody, Rabbit Polyclonal

Cat#: R3344-2

Quantity: 100 ul

Predicted | Observed M.W.: 80 | 100 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: Q9UBK8

Background:

Methionine is an essential amino acid required for protein synthesis and one-carbon metabolism. Its synthesis is catalyzed by the enzyme methionine synthase. Methionine synthase eventually becomes inactive due to the oxidation of its cob(l)alamin cofactor. The MTRR protein regenerates a functional methionine synthase via reductive methylation. It is a member of the ferredoxin-NADP(+) reductase (FNR) family of electron transferases. Patients of the cbl-E complementation group of disorders of folate/cobalamin metabolism are defective in reductive activation of methionine synthase.

Other Names:

5-methyltetrahydrofolate-homocysteine methyltransferase reductase, Methionine synthase reductase, MSR

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of human MTRR. Antibodies were purified by affinity purification using immunogen.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN₃. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Human, Mouse

Tested Applications:

WB: 1:500-1:2,000 (detect endogenous protein*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

Product Data:

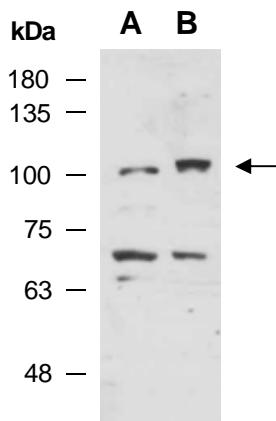


Fig 1. Western blot of total cell extracts from A) mouse thymus; B) human HeLa, using anti-MTRR (C) (R3344-2) at RT for 2 h.