

Datasheet for ABIN2787324
anti-MTRR antibody (N-Term)[Go to Product page](#)[1 Image](#)[1 Publication](#)

Overview

Quantity:	100 µL
Target:	MTRR
Binding Specificity:	N-Term
Reactivity:	Human, Dog, Mouse, Rabbit, Rat, Cow, Guinea Pig, Horse, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MTRR antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human MTRR
Sequence:	YDLKTETAPL VVVSTTGTG DPPDTARKFV KEIQNQTLPV DFFAHLRYGL
Predicted Reactivity:	Cow: 93%, Dog: 100%, Guinea Pig: 93%, Horse: 93%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against MTRR. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	MTRR
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Target Details

Alternative Name:	MTRR (MTRR Products)
Background:	<p>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 protein encoded by this gene 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. Alternative splicing of this gene results in multiple transcript variants encoding distinct isoforms.</p> <p>Alias Symbols: MGC129643, MSR, cblE</p> <p>Protein Interaction Partner: GMCL1, PAPSS1, HIST1H2AG, FH, ELAVL1, UBC, MMAB,</p> <p>Protein Size: 725</p>
Molecular Weight:	80 kDa
Gene ID:	4552
NCBI Accession:	NM_024010 , NP_076915
UniProt:	Q9UBK8
Pathways:	Methionine Biosynthetic Process

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 725 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

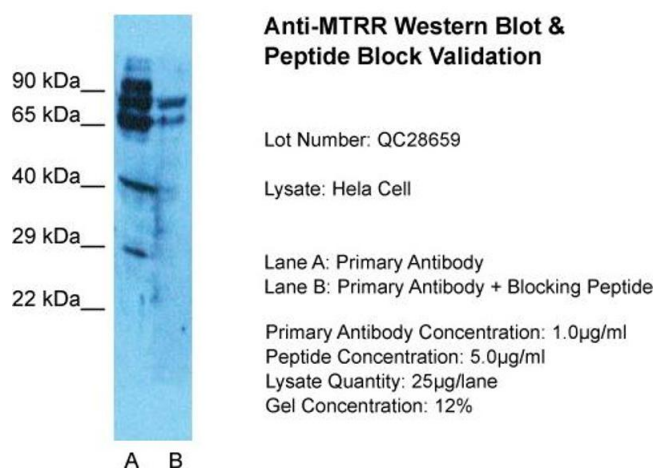
Handling

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:	Wen, Zhu, Zhang, Keum, Zykova, Yao, Peng, Zheng, Cho, Ma, Bode, Dong: "MST1 promotes apoptosis through phosphorylation of histone H2AX." in: The Journal of biological chemistry , Vol. 285, Issue 50, pp. 39108-16, (2010) (PubMed).
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Images



Western Blotting

Image 1. Host: Rabbit

Target Name: MTRR

Sample Tissue: HeLa Lane A: Primary Antibody Lane B: Primary Antibody + Blocking Peptide

Primary Antibody Concentration: 1 µg/mL Peptide Concentration: 5.0 µg/mL Lysate Quantity: 41 µg/lane/lane Gel Concentration: 12 % MTRR is strongly supported by BioGPS gene expression data to be expressed in Human HeLa cells