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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP57657_P050-Biotin
Product Page	www.avivasysbio.com/mtrr-antibody-n-terminal-region-biotin-arp57657-p050-biotin.html
Name	MTRR Antibody - N-terminal region : Biotin (ARP57657_P050-Biotin)
Protein Size (# AA)	725 amino acids
Molecular Weight	80kDa
Conjugation	Biotin
NCBI Gene Id	4552
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	5-methyltetrahydrofolate-homocysteine methyltransferase reductase
Alias Symbols	MSR, cbIE
Peptide Sequence	Synthetic peptide located within the following region: YDLKTETAPLVVVVSTGTGDPDTARKFVKEIQNQTLPVDFFAHLRYGL
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Description of Target	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(I)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 cbI-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.
Protein Interactions	GMCL1; PAPSS1; HIST1H2AG; FH; ELAVL1; UBC; MMAB;
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-MTRR (ARP57657_P050-Biotin) antibody
Blocking Peptide	For anti-MTRR (ARP57657_P050-Biotin) antibody is Catalog# AAP57657 (Previous Catalog# AAPP42044)
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human MTRR
Uniprot ID	Q9UBK8
Protein Name	Methionine synthase reductase
Publications	Richard, E., Desviat, L. R., Ugarte, M. & Pérez, B. Oxidative stress and apoptosis in homocystinuria patients with genetic remethylation defects. J. Cell. Biochem. 114, 183-91 (2013). WB, Human, Dog, Rabbit, Rat, Mouse, Pig, Bovine, Horse, Guinea pig 22887477
Sample Type Confirmation	MTRR is strongly supported by BioGPS gene expression data to be expressed in HeLa
Protein Accession #	NP_076915
Purification	Affinity Purified
Nucleotide Accession #	NM_024010
Gene Symbol	MTRR

Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Pig, Rabbit
Application	WB, IHC
Predicted Homology Based on Immunogen Sequence	Cow: 93%; Dog: 100%; Guinea Pig: 93%; Horse: 93%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 100%; Rat: 100%
Image 1	 A schematic diagram of a Y-shaped antibody molecule, consisting of two heavy chains and two light chains, represented by thick black lines.

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This product is for Research Use Only. Not for diagnostic, human, or veterinary use.
Optimal conditions of its use should be determined by end users.

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