

Product datasheet for TA319915

MECR Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1 - 2 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Rabbit polyclonal MECR antibody was raised against a 15 amino acid peptide near the carboxy terminus of human MECR.
Formulation:	MECR Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	MECR Antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	41 kDa
Gene Name:	mitochondrial trans-2-enoyl-CoA reductase
Database Link:	NP_057095 Entrez Gene 26922 MouseEntrez Gene 29470 RatEntrez Gene 51102 Human Q9BV79
Background:	MECR Antibody: The mitochondrial trans-2-enoyl-CoA reductase (MECR), was initially identified as nuclear receptor-binding factor 1 (NRBF1), which can interact with a multitude of nuclear hormone receptors in the presence of the respective ligands. MECR has been shown to be part of the mitochondrial fatty acid synthesis (FAS II) system and to catalyze the NADPH-dependent reduction of 2-enoyl thioesters, generating saturated acyl-groups. Overexpression of this gene in transgenic mice can lead to cardiac abnormalities, suggesting that inappropriate expression of genes of FAS II can result in the development of hereditary cardiomyopathy.



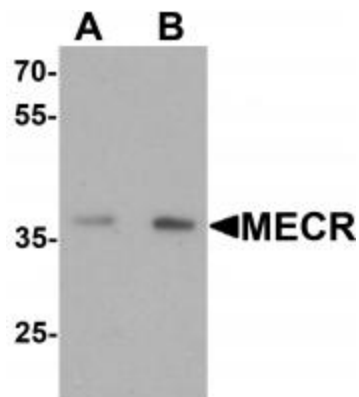
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Synonyms: CGI-63; FASN2B; NRBF1

Protein Families: Druggable Genome

Protein Pathways: Fatty acid elongation in mitochondria, Metabolic pathways

Product images:



Western blot analysis of MECR in human brain tissue lysate with MECR antibody at (A) 1 and (B) 2 ug/mL.