

Datasheet for ABIN6991794
anti-MECR antibody (C-Term)



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Overview

Quantity:	0.1 mg
Target:	MECR
Binding Specificity:	AA 300-350, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MECR antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Rabbit polyclonal MECR antibody was raised against a 15 amino acid peptide near the carboxy terminus of human MECR. The immunogen is located within amino acids 300 - 350 of MECR.
Isotype:	IgG
Specificity:	At least two isoforms of MECR are known to exist, this antibody will detect both isoforms.
Purification:	MECR Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	MECR
Alternative Name:	MECR (MECR Products)
Background:	MECR Antibody: The mitochondrial trans-2-enoyl-CoA reductase (MECR), was initially identified

Target Details

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.

Molecular Weight: Predicted: 41 kDa

Gene ID: 51102

NCBI Accession: [NP_057095](#)

UniProt: [Q9BV79](#)

Application Details

Application Notes: MECR antibody can be used for detection of MECR by Western blot at 1 - 2 µg/mL.

Antibody validated: Western Blot in human, mouse, and rat samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: MECR Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: MECR antibody can be stored at 4°C for three months and -20°C, stable for up to one year.