

Rabbit MECR Polyclonal Antibody | anti-MECR antibody

MECR Antibody

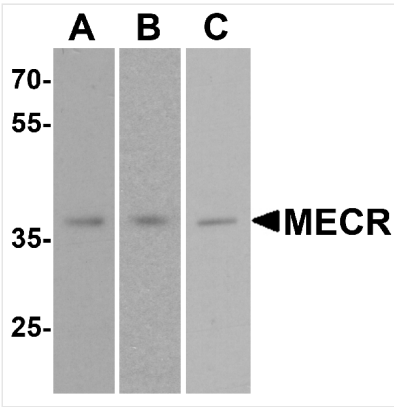
CATALOG # AAA40744	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot, ELISA
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PRODUCT SYNONYMS

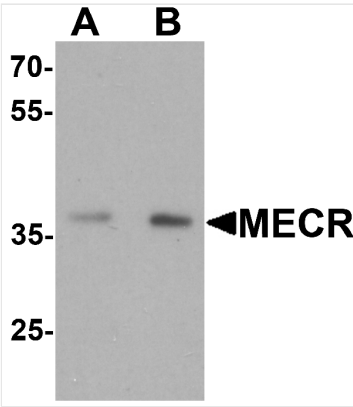
MECR; Polyclonal Antibody; MECR Antibody; NRBF1; CGI-63; FASN2B; NBRF1; Trans-2-enoyl-CoA reductase; mitochondrial; Nuclear receptor-binding factor 1; HsNrnf-1; mitochondrial trans-2-enoyl-CoA reductase; anti-MECR antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	At least two isoforms of MECR are known to exist; this antibody will detect both isoforms.
Purity/Purification	MECR Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	373
Applicable Applications for anti-MECR antibody	WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	Rabbit polyclonal MECR antibody was raised against a 15 amino acid peptide near the carboxy terminus of human MECR.
Buffer	MECR Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	MECR antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year.



WB (Western Blot)
Western blot analysis of MECR in (A) human brain tissue, (B) mouse brain tissue, and (C) rat brain tissue lysate with MECR antibody at 1 μg/mL.



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

ADDITIONAL INFORMATION

Related Product Information for anti-MECR antibody	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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NCBI AND UNIPROT INFORMATION

NCBI GI #	67078404
NCBI GeneID	51102
NCBI Accession #	NP_057095
NCBI GenBank Nucleotide #	NM_016011.2
UniProt Accession #	Q9BV79; Q5SYU0; Q5SYU1; Q5SYU2; Q6IBU9; Q9Y373; B3KT72
Molecular Weight	Predicted: 41 kDa
NCBI Official Full Name	trans-2-enoyl-CoA reductase, mitochondrial isoform a
NCBI Official Synonym Full Names	mitochondrial trans-2-enoyl-CoA reductase
NCBI Official Symbol	MECR
NCBI Official Synonym Symbols	NRBF1; CGI-63; FASN2B
NCBI Protein Information	trans-2-enoyl-CoA reductase, mitochondrial; nuclear receptor binding factor 1; mitochondrial 2-enoyl thioester reductase; homolog of yeast 2-enoyl thioester reductase
UniProt Protein Name	Trans-2-enoyl-CoA reductase, mitochondrial
UniProt Gene Name	MECR
UniProt Synonym Gene Names	NBRF1; HsNr1f-1; NRBF-1
UniProt Entry Name	MECR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

