

For Research Use Only

MECR Polyclonal antibody

Catalog Number: 51025-2-Ig

Featured Product

2 Publications



Basic Information

Catalog Number:

51025-2-Ig

Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC003864

GeneID (NCBI):

26922

UNIPROT ID:

Q9DCS3

Full Name:

mitochondrial trans-2-enoyl-CoA reductase

Calculated MW:

40 kDa

Observed MW:

65 kDa

Purification Method:

Protein A purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:200-1:800

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

mouse

Cited Species:

mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse skeletal muscle tissue, mouse heart tissue

IHC : mouse skeletal muscle tissue,

Background Information

Mitochondrial Trans-2-Enoyl-CoA Reductase is abbreviated as MECR, involved in human mitochondrial fatty acid synthesis (mtFAS) as an oxidoreductase. (PMID: 27817865) MECR has molecular weight can be calculated around 37KDa. With immunoprecipitation reaction on mouse heart samples, the IgG heavy chain, dimer of MECR is around 65KDa. Numerous studies have shown disorder of lipid metabolism is closely related with malignance, especially in liver cancer. As further research suggests that MECR has close relationship with cell proliferation, apoptosis, and metastasis (PMID: 31178528)

Notable Publications

Author	Pubmed ID	Journal	Application
Antonina N Shvetsova	28531964	Redox Biol	WB
Parl Angelika A	24161390	Biochem Biophys Res Commun	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

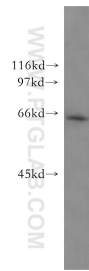
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

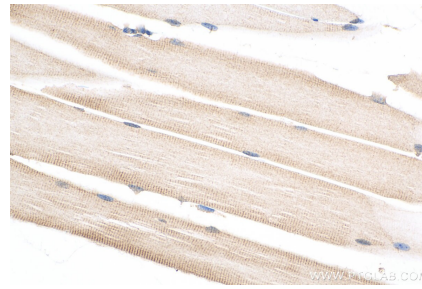
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



mouse skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 51025-2-Ig (MECR antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 51025-2-Ig (MECR antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).