

For Research Use Only

Mouse MECR Recombinant antibody, PBS Only

Catalog Number: 84729-4-PBS



Basic Information

| | | |
|---------------------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------|
| Catalog Number: 84729-4-PBS | GenBank Accession Number: BC003864 | Purification Method: Protein A purification |
| Size: 100ug, Concentration: 1 mg/ml by Nanodrop; | GeneID (NCBI): 26922 | CloneNo.: 242151C5 |
| Source: Rabbit | UNIPROT ID: Q9DCS3 | |
| Isotype: IgG | Full Name: mitochondrial trans-2-enoyl-CoA reductase | |
| Immunogen Catalog Number: AG0465 | Calculated MW: 40 kDa | |
| | Observed MW: 37-40 kDa | |

Applications

Tested Applications:
WB, IHC, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

Mitochondrial 2-enoyl-acyl-carrier protein reductase (MECR) is an enzyme in the mitochondrial fatty acid synthase (mtFAS) pathway. MECR is involved in the synthesis of lipoic acid and is required for mitochondrial respiratory competence. MECR is highly expressed in skeletal and heart muscles and exhibits lower expression in placenta, liver, kidney, and pancreas. It is weakly expressed or not expressed in the lung (PMID: 32440681, PMID: 37734847, PMID: 38296034).

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

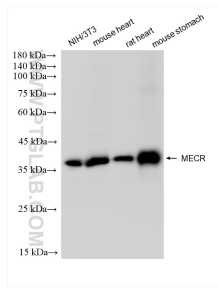
For technical support and original validation data for this product please contact:

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

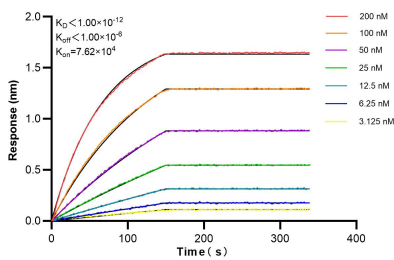
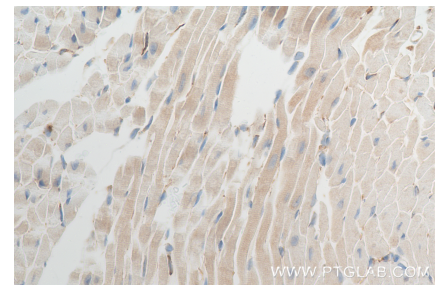
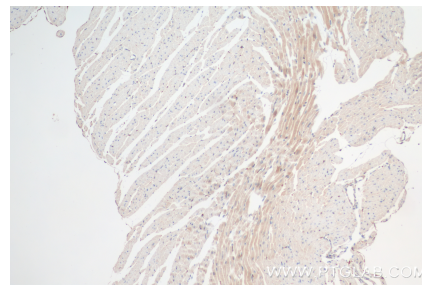
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84729-4-RR (MECR antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84729-4-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84729-4-RR against Mouse MECR were performed. The affinity constant is below 1 pM.