For Research Use Only

Methylmalonyl Coenzyme A mutase/MUT Recombinant antibody, PBS Only

Catalog Number:84879-5-PBS

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Basic Information

Catalog Number:
84879-5-PBS

Size:
1 mg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG10523

GenBank Accession Number:
BC016282

GeneID (NCBI):
4594

UNIPROT ID:
P22033

Full Name:
methylmalonyl Coenzyme A mutase

Calculated MW:
750 aa, 83 kDa

Observed MW:
78 kDa

Purification Method:
Protein A purfication

CloneNo.:
242198F11

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

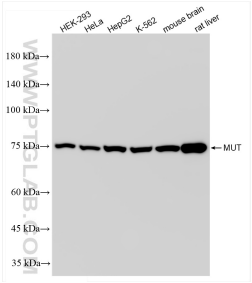
Methylmalonyl Coenzyme A mutase (MUT) is an enzyme that plays a crucial role in the metabolism of certain amino acids and fatty acids. Mutations in the MUT gene can lead to methylmalonic acidemia, a metabolic disorder characterized by the accumulation of toxic compounds such as methylmalonyl-CoA and propionyl-CoA. This condition can cause severe health issues including developmental delays, metabolic acidosis, and neurological problems. MUT is essential for maintaining normal metabolic processes and its dysfunction can have significant health implications, highlighting its importance in both basic metabolism and clinical medicine.

Storage

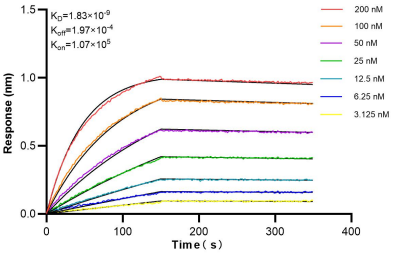
Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84879-5-RR (Methylmalonyl Coenzyme A mutase/MUT antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84879-5-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84879-5-RR against Human Methylmalonyl Coenzyme A mutase/MUT were performed. The affinity constant is 1.83 nM.