

For Research Use Only

Methylmalonyl Coenzyme A mutase/MUT Recombinant antibody, PBS Only

Catalog Number: 84879-6-PBS



Basic Information

Catalog Number:	84879-6-PBS	GenBank Accession Number:	BC016282	Purification Method:	Protein A purification
Concentration:	1 mg/ml	GeneID (NCBI):	4594	CloneNo.:	242198A3
Source:	Rabbit	UNIPROT ID:	P22033		
Isotype:	IgG	Full Name:	methylmalonyl Coenzyme A mutase		
Immunogen Catalog Number:	AG10523	Calculated MW:	750 aa, 83 kDa		
		Observed MW:	78 kDa		

Applications

Tested Applications:
IHC, IF/ICC, FC (Intra), Indirect ELISA

Species Specificity:
human

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, pH7.3

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

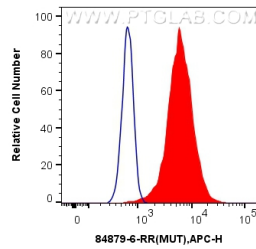
T: 4006900926

E: Proteintech-CN@ptglab.com

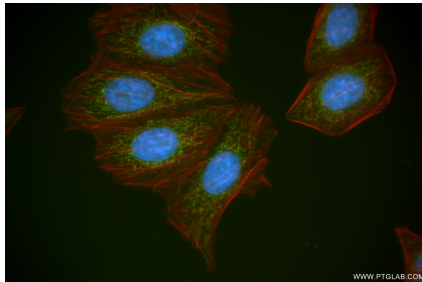
W: ptgcn.com

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

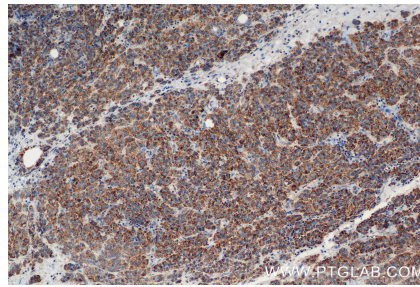
Selected Validation Data



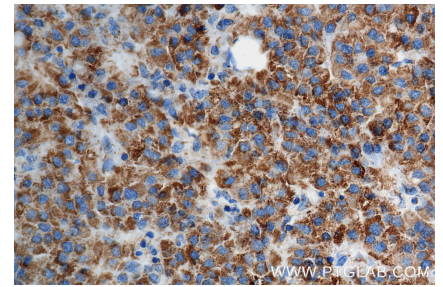
1x10⁶ A431 cells were intracellularly stained with 0.25 ug Methylmalonyl Coenzyme A mutase/MUT Recombinant Antibody (84879-6-RR, Clone: 242198A3) and APC-Conjugated Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 84879-6-



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using Methylmalonyl Coenzyme A mutase/MUT antibody (84879-6-RR, Clone: 242198A3) at dilution of 1:500 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 84879-6-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded Human Hepatocellular cancer slide using 84879-6-RR (Methylmalonyl Coenzyme A mutase/MUT antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84879-6-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded Human Hepatocellular cancer slide using 84879-6-RR (Methylmalonyl Coenzyme A mutase/MUT antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84879-6-PBS in a different storage buffer formulation.