For Research Use Only

MultiPro™ 5CFLX Anti-Human MFN2 (5F3B3)

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Catalog Number:G67487-1-5C

Basic Information

Catalog Number:
G67487-1-5C

Size:
500ug/mL

Source:
Mouse

Isotype:
IgG2a

Immunogen Catalog Number:
AG29873

GenBank Accession Number:
BC017061

GeneID (NCBI):
9927

ENSEMBL Gene ID:
ENSG00000116688

UNIPROT ID:
O95140

Full Name:
MultiPro™ 5CFLX Anti-Human MFN2 (5F3B3)

CloneNo.:
5F3B3

Conjugate:
5CFLX

Full Oligo Sequence:
CGGAGATGTGTATAAGAGACAGCGCC ACCAATGACCTCCCATATAAGAAA

Barcode Sequence:
CGCCACCAATGACCT

Applications

Tested Applications:
Single Cell (Intra)

Species Specificity:
Human

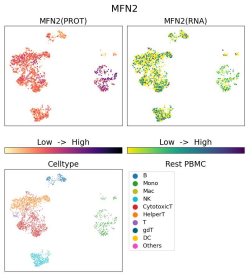
Background Information

MFN2, also named as CPRP1 and KIAA0214, belongs to the mitofusin family. It is an Essential transmembrane GTPase, which mediates mitochondrial fusion. MFN2 acts independently of the cytoskeleton. It therefore plays a central role in mitochondrial metabolism and may be associated with obesity and/or apoptosis processes. Overexpression of MFN2 induces the formation of mitochondrial networks. It plays an important role in the regulation of vascular smooth muscle cell proliferation. Defects in MFN2 are the cause of Charcot-Marie-Tooth disease type 2A2 (CMT2A2). Defects in MFN2 are the cause of Charcot-Marie-Tooth disease type 6 (CMT6). Ubiquitinated forms of Mfn2 (mono- and polyubiquitinated) are present during mitophagy.

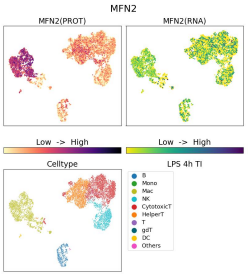
Storage

Storage:
2-8°C
Storage Buffer:
PBS with 1mM EDTA and 0.09% sodium azide

Selected Validation Data



G67487-1-5C was used to stain Resting PBMC and analyzed with 10x Genomics Gene Expression Flex with Feature Barcodes and Multiplexing kit with Fix-Stain protocol.



G67487-1-5C was used to stain PBMC under 4hr LPS + TI treatment and analyzed with 10x Genomics Gene Expression Flex with Feature Barcodes and Multiplexing kit with Fix-Stain protocol.