

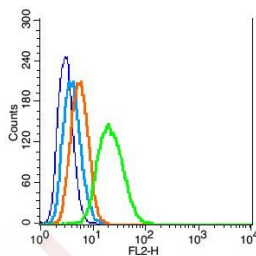
Anti-MFN1 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Rat (predicted:Human,Mouse,Horse,Rabbit)
Molecular Weight:	Theoretical: 81 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	Blank control: RSC96 (blue), the cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with ice-cold 90% methanol for 30 min on ice. Isotype Control Antibody: Rabbit Igg (orange); Secondary Antibody: Goat anti-rabbit IgG-Pe (white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA; Primary Antibody Dilution: 1 µg in 100 µL 1X PBS containing 0.5% BSA (green).
--------------------	---



Application:	FCM
Recommended	FCM: 1µg/Test

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human Mfn 1
Antigen Species:	Human
Gene ID:	55669
Uniprot ID:	Q8IWA4
Synonyms:	Mitofusin-1;Transmembrane GTPase MFN1;Fzo homolog;MFN 1
Biology Area:	Mitochondrial markers,Mitophagy fission and fusion,Parkinson's disease,GTP,Mitochondria

Research Background

Mitofusin 1 (Mfn1) and mitofusin 2 (Mfn2) are homologs for the Drosophila protein fuzzy onion (Fzo). They are mitochondrial membrane proteins and are mediators of mitochondrial fusion. A GTPase domain is required for Mfn protein function but the molecular mechanisms of the GTPase-dependent reaction as well as the functional division

of the two Mfn proteins are unknown. They are essential for embryonic development and may play a role in the pathobiology of obesity. Although the Mfn1 and Mfn2 genes are broadly expressed, they show different levels of expression in different tissues. Two Mfn1 transcripts are elevated in heart, while Mfn2 mRNA is abundantly expressed in heart and muscle tissue but present only at low levels in many other tissues. Mfn1 localizes to mitochondria and participates in at least two different high molecular weight protein complexes in a GTP-dependent manner. Purified recombinant Mfn1 exhibited approximately eightfold higher GTPase activity than Mfn2.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481