

## Anti-MFN1 Antibody (7H671)

## Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	7H671
Purification:	Affinity-chromatography

## Applications

Verified Activity:	Overlay Peak curve showing HepG2 cells stained with TMAH-00752 (red line) at 1:50. The cells were fixed in 4% formaldehyde and permeated by 0.2% TritonX-100. Then 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1µg/1*10 <sup>6</sup> cells) for 45min at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-rabbit IgG (H+L) at 1:200 dilution for 35min at 4°C. Control antibody (green line) was rabbit IgG (1µg/1*10 <sup>6</sup> cells) used under the same conditions. Acquisition of >10,000 events was performed.
Application:	ELISA, FCM
Recommended	FCM:1:50-1:200.

## 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:	A synthetic peptide: Human MFN1
Antigen Species:	Human
Gene ID:	55669
Uniprot ID:	Q8IWA4
Synonyms:	Fzo homolog;Transmembrane GTPase MFN1;MFN 1;Mitofusin-1
Biology Area:	Neuroscience, Tags & Cell Markers, Metabolism, Signal transduction

## Research Background

Mitochondrial outer membrane GTPase that mediates mitochondrial clustering and fusion. Membrane clustering requires GTPase activity. It may involve a major rearrangement of the coiled coil domains. Mitochondria are highly dynamic organelles, and their morphology is determined by the equilibrium between mitochondrial fusion and fission events. Overexpression induces the formation of mitochondrial networks (in vitro). Has low GTPase activity.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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