

## Catalog #: 4765

## Aliases

MFN1; Mitofusin 1; Transmembrane GTPase MFN1; Mitofusin-1; Fzo Homolog; FLJ20693; Mitochondrial Transmembrane GTPase FZO-2; Mitochondrial Transmembrane GTPaseFzo-1; Putative Transmembrane GTPase; EC 3.6.5.-; EC 3.6.5; Hfzo1; Hfzo2

## Background

Gene Name: MFN1

NCBI Gene Entry: [55669](#)

UniProt Entry: [Q8IWA4](#)

## Application Information

Molecular Weight: Predicted, 84 kDa; observed, 75 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 24GB12830

Species Reactivity: Human, mouse, rat

Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

## Immunogen

A synthesized peptide derived from rat Mitofusin 1

## Isotype

Rabbit IgG

## Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

## Storage

Store at -20 °C for one year.

## Recommended Dilutions

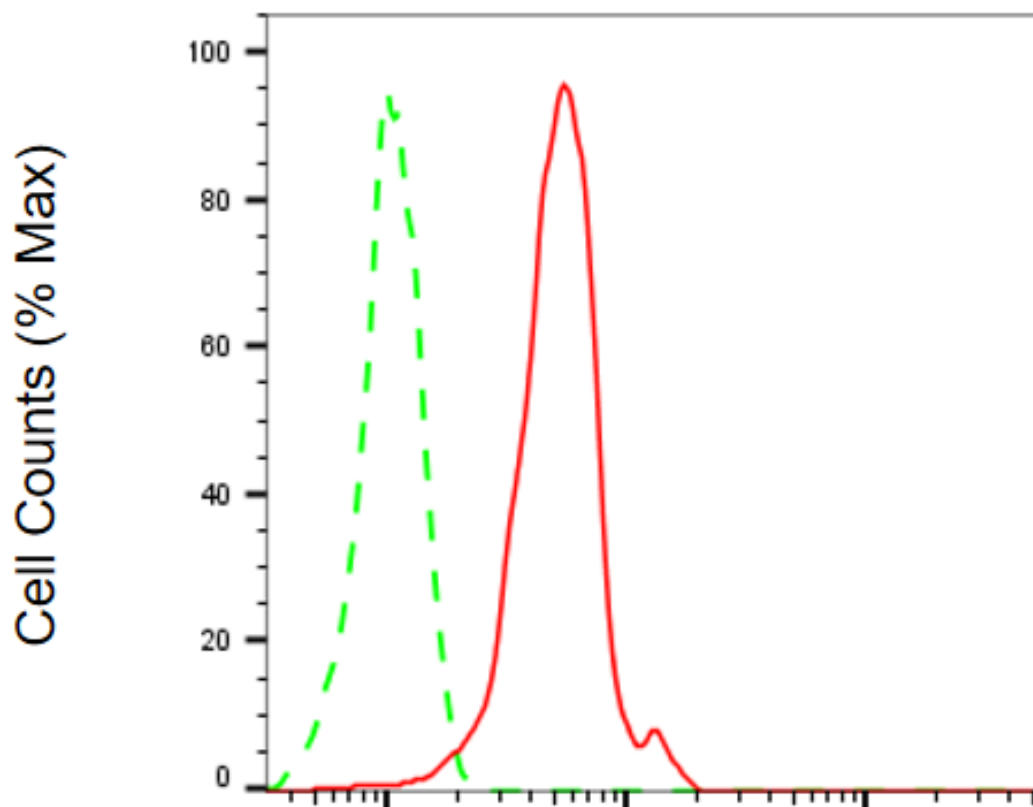
Western Blotting (WB): 1:1,000-1:5,000

Flow Cytometry (FCM): 1:2,000

Immunocytochemistry (IC): 1:100-1:1,000

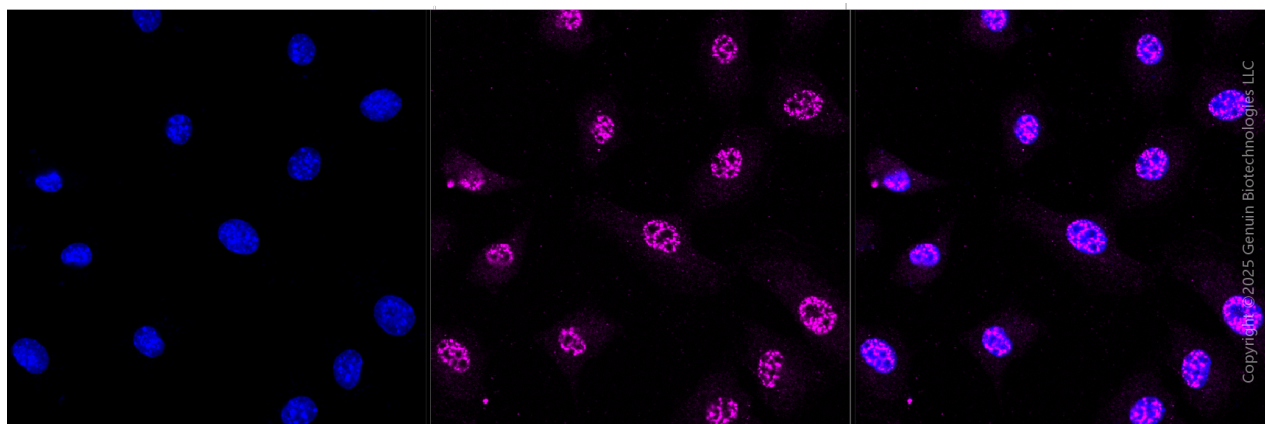
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## Validation Data



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Flow cytometric analysis of Mitofusin 1 expression in C2C12 cells using anti-Mitofusin 1 antibody (Cat#4765, 1:2,000). Green, isotype control; red, Mitofusin 1.



Immunocytochemical staining of C2C12 cells with anti-Mitofusin 1 antibody (Cat#4765,

## SUPPORT

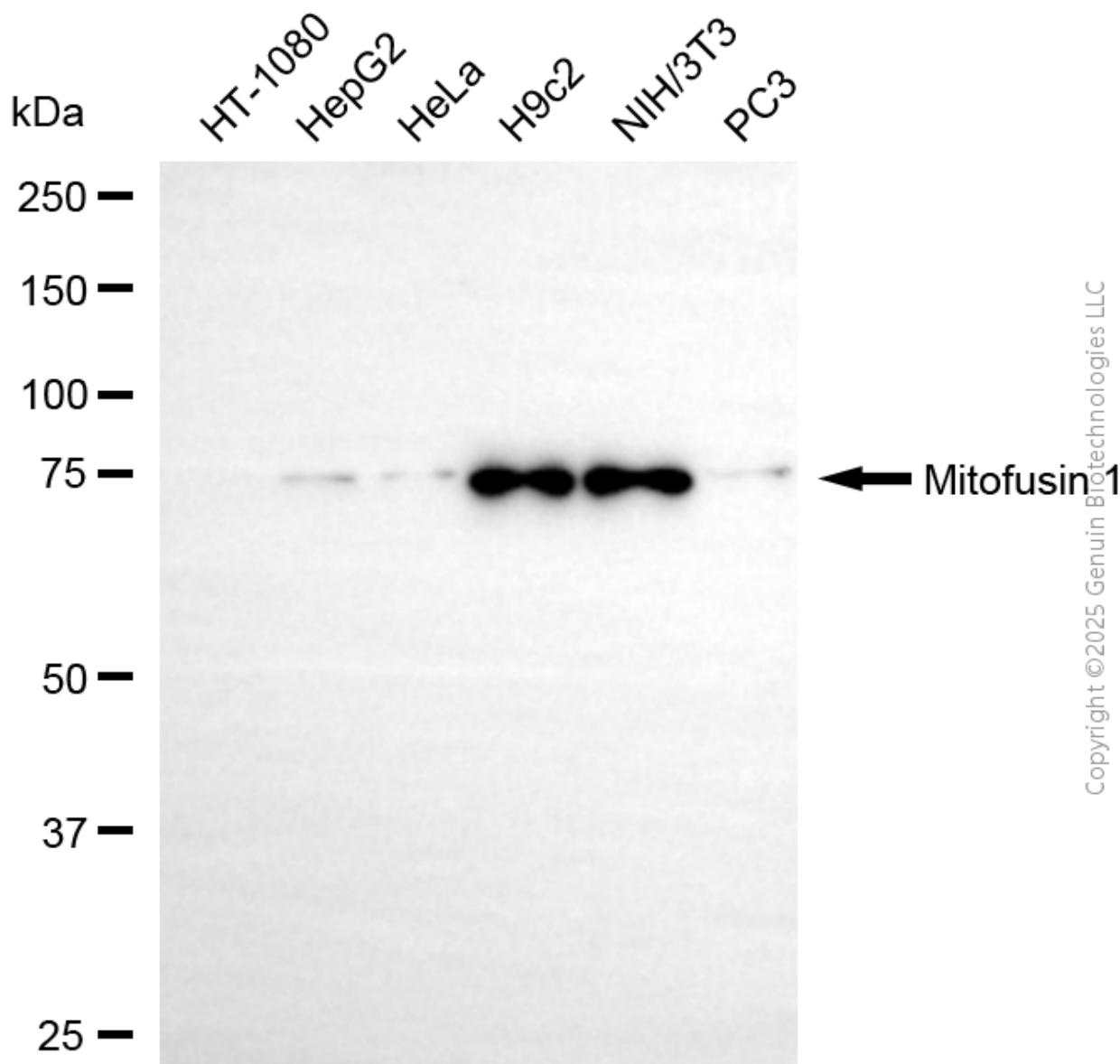
SUPPORT@GENUINBIOTECH.COM  
TEL: +1-540-855-7041

## ORDERS

SALES@GENUINBIOTECH.COM  
FAX: +1-540-855-7041

WWW.GENUINBIOTECH.COM

1:1,000). Nuclei were stained blue with DAPI; Mitofusin 1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and Smart Gain: Medium. Scale bar, 20 µm.



Western blotting analysis using anti-mitofusin 1 antibody (Cat#4765). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-mitofusin 1 antibody (Cat#4765, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).