

## Rabbit anti-Human MFN1 Polyclonal Antibody | anti-MFN1 antibody

MFN1 Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                   |
|-----------|--------|------------|----------------------------------------------------------------|
| AAA231837 | Rabbit | Human      | Immunoprecipitation, Immunohistochemistry, Western Blot, ELISA |

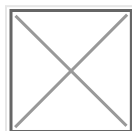
### PRODUCT SYNONYMS

MFN1; Polyclonal Antibody; MFN1 Antibody; Mitofusin-1; Fzo homolog; Transmembrane GTPase MFN1; anti-MFN1 antibody

### PRODUCT SPECIFICATIONS

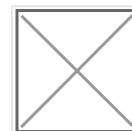
|                                                |                                                                                                                |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                         |
| Reactivity                                     | Human                                                                                                          |
| Clonality                                      | Polyclonal                                                                                                     |
| Isotype                                        | IgG                                                                                                            |
| Purity/Purification                            | Antigen Affinity Purified                                                                                      |
| Form/Format                                    | Liquid                                                                                                         |
| Sequence Length                                | 741                                                                                                            |
| Applicable Applications for anti-MFN1 antibody | IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot), ELISA                                 |
| Species                                        | Human                                                                                                          |
| Immunogen                                      | Recombinant human Mitofusin-1 protein (C-120AA)                                                                |
| Conjugate                                      | Non-conjugated                                                                                                 |
| Buffer                                         | PBS with 0.02% sodium azide, 50% glycerol, pH7.3.                                                              |
| Santa Cruz Alternative                         | Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-30363 / sc-50330                       |
| Preparation and Storage                        | Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze. |

### IMAGES



#### IP (Immunoprecipitation)

Immunoprecipitating MFN1 in Jurkat whole cell lysate Lane 1: Rabbit monoclonal IgG(1ug)instead of AAA231837 in Jurkat whole cell lysate. For western blotting, a HRP-conjugated light chain specific antibody was used as the Secondary antibody (1/50000) Lane 2: AAA231837(4ug)+ Jurkat whole cell lysate(500ug) Lane 3: Jurkat whole cell lysate (20ug)



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human testis tissue using AAA231837 at dilution of 1:100



#### WB (Western Blot)

Western blotAll lanes: MFN1 antibody at 1.1 ug/mlLane 1: Human placenta tissueLane 2: Jurkat whole cell lysateLane 3: Hela whole cell lysateLane 4: K562 whole cell lysateSecondaryGoat polyclonal to rabbit IgG at 1/10000 dilutionPredicted band size: 85,42,72 kDaObserved band size: 84,42 kDa

### ADDITIONAL INFORMATION

#### Related Product Information for anti-MFN1 antibody

Essential transmembrane GTPase, which mediates mitochondrial fusion. Fusion of mitochondria occurs in many cell types and constitutes an important step in mitochondria morphology, which is balanced between fusion and fission. MFN1 acts independently of the cytoskeleton. Overexpression induces the formation of mitochondrial networks.

### NCBI AND UNIPROT INFORMATION

|                                  |                                                         |
|----------------------------------|---------------------------------------------------------|
| NCBI GI #                        | 45269137                                                |
| NCBI GeneID                      | 55669                                                   |
| NCBI Accession #                 | NP_284941.2                                             |
| NCBI GenBank Nucleotide #        | NM_033540.2                                             |
| UniProt Accession #              | Q8IWA4; O15323; O60639; Q9BZB5; Q9NWWQ2; B2RAR1; D3DNR6 |
| Molecular Weight                 | 71,401 Da                                               |
| NCBI Official Full Name          | mitofusin-1                                             |
| NCBI Official Synonym Full Names | mitofusin 1                                             |
| NCBI Official Symbol             | MFN1                                                    |
| NCBI Official Synonym Symbols    | hfzo1; hfzo2                                            |
| NCBI Protein Information         | mitofusin-1                                             |
| UniProt Protein Name             | Mitofusin-1                                             |
| UniProt Gene Name                | <b>MFN1</b>                                             |
| UniProt Entry Name               | MFN1_HUMAN                                              |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)

Online datasheet: <https://stage.aaabiotech.com/polyclonal/mfn1-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/231837>