

Datasheet for ABIN3031819
anti-MFN2 antibody (AA 601-757)



[Go to Product page](#)

4 Images

Overview

| | |
|----------------------|-------------------------------------|
| Quantity: | 100 µg |
| Target: | MFN2 |
| Binding Specificity: | AA 601-757 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This MFN2 antibody is un-conjugated |
| Application: | Western Blotting (WB) |

Product Details

| | |
|---------------|--|
| Immunogen: | Human partial recombinant protein (AA 601-757) was used as the immunogen for this MFN2 antibody. |
| Isotype: | IgG |
| Purification: | Antigen affinity |

Target Details

| | |
|-------------------|---|
| Target: | MFN2 |
| Alternative Name: | MFN2 (MFN2 Products) |
| Background: | Mitofusin-2 is a protein that in humans is encoded by the MFN2 gene. It is mapped to chromosome 1 and encodes a 757-amino acid protein that contains an ATP/GTP-binding site motif. This gene is expressed in many tissues and cell lines such as brain and KG-1 with the |

Target Details

highest expression in heart and skeletal muscle. It has been found that MFN2 triggers mitochondrial energization, at least in part, by regulating OXPHOS expression through signals that are independent of its role as a mitochondrial fusion protein. And it contributes to the maintenance and operation of the mitochondrial network. Axonal CMT type 2A and autosomal dominant HMSN VI are caused by MFN2 and mutations of, which emphasizes its important role of mitochondrial function for both optic atrophies and peripheral neuropathies.

Gene ID: 9927

Pathways: [Skeletal Muscle Fiber Development](#)

Application Details

Application Notes: The stated application concentrations are suggested starting amounts. Titration of the MFN2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL

Restrictions: For Research Use only

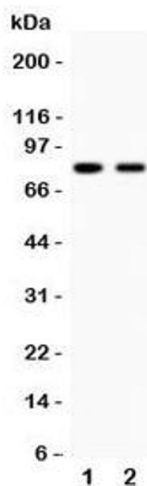
Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

Storage Comment: After reconstitution, the MFN2 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



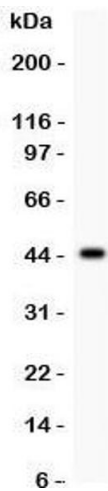
Western Blotting

Image 1. Western blot testing of MFN2 antibody and Lane 1: HeLa



Western Blotting

Image 2. Western blot testing of MFN2 antibody and Lane 1: HeLa; 2: A549. Predicted/observed size ~86KD



Western Blotting

Image 3. Western blot testing of MFN2 antibody and recombinant human protein (0.5ng)

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN3031819.