

Datasheet for ABIN7159968
anti-MFN2 antibody (AA 61-158)



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2 Images

Overview

Quantity:	100 µg
Target:	MFN2
Binding Specificity:	AA 61-158
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MFN2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Recombinant Human Mitofusin-2 protein (61-158AA)
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Purification:	>95%, Protein G purified

Target Details

Target:	MFN2
Alternative Name:	MFN2 (MFN2 Products)
Background:	Background: Essential transmembrane GTPase, which mediates mitochondrial fusion. Fusion of mitochondria occurs in many cell types and constitutes an important step in mitochondria

Target Details

morphology, which is balanced between fusion and fission. MFN2 acts independently of the cytoskeleton. It therefore plays a central role in mitochondrial metabolism and may be associated with obesity and/or apoptosis processes. Overexpression induces the formation of mitochondrial networks. Plays an important role in the regulation of vascular smooth muscle cell proliferation. Involved in the clearance of damaged mitochondria via selective autophagy (mitophagy). Is required for PARK2 recruitment to dysfunctional mitochondria. Involved in the control of unfolded protein response (UPR) upon ER stress including activation of apoptosis and autophagy during ER stress. Acts as an upstream regulator of EIF2AK3 and suppresses EIF2AK3 activation under basal conditions.

Aliases: CMT2A antibody, CMT2A2 antibody, CPRP 1 antibody, CPRP1 antibody, EC 3.6.5.- antibody, Fzo antibody, HSG antibody, hyperplasia suppressor gene antibody, Hypertension related protein 1 antibody, KIAA0214 antibody, MARF antibody, MFN 2 antibody, Mfn2 antibody, MFN2_HUMAN antibody, Mitochondrial assembly regulatory factor antibody, Mitofusin-2 antibody, Mitofusin2 antibody, Transmembrane GTPase MFN2 antibody

UniProt: [O95140](#)

Pathways: [Skeletal Muscle Fiber Development](#)

Application Details

Application Notes: Recommended dilution: WB:1:200-1:3000, IHC:1:20-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

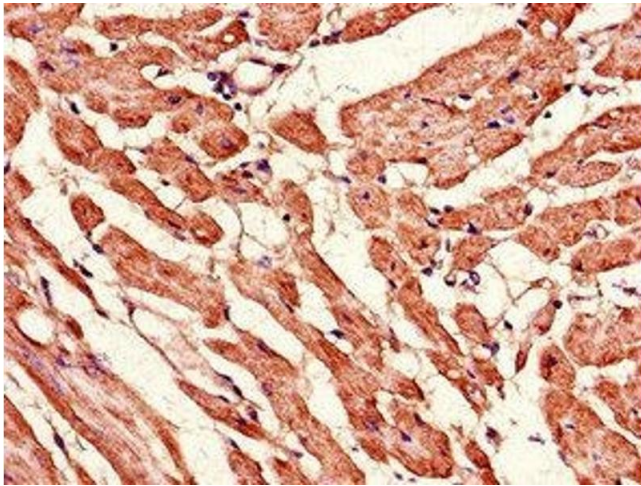
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

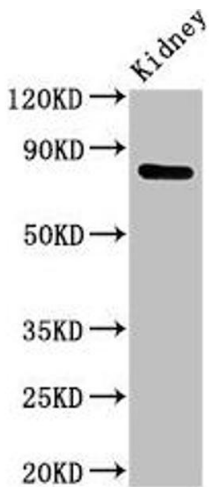
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human heart tissue using ABIN7159968 at dilution of 1:100



Western Blotting

Image 2. Western Blot Positive WB detected in: Rat kidney tissue All lanes: MFN2 antibody at 3 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 89, 51 kDa Observed band size: 89 kDa