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Datasheet for ABIN670071 anti-MFN1 antibody (AA 651-741)

4 Images

3 Publications



Overview

Quantity:	100 µL
Target:	MFN1
Binding Specificity:	AA 651-741
Reactivity:	Mouse, Rat, Rabbit, Chicken
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MFN1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunohistochemistry (Paraffin- embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Mfn 1
lsotype:	lgG
Cross-Reactivity:	Chicken, Mouse, Rabbit, Rat
Predicted Reactivity:	Human,Horse
Purification:	Purified by Protein A.
Target Details	
Target:	MFN1
Alternative Name:	Mfn1 (MFN1 Products)

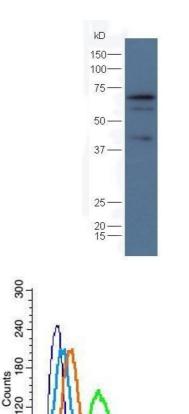
Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/4 | Product datasheet for ABIN670071 | 03/07/2024 | Copyright antibodies-online. All rights reserved.

Target Details	
Background:	Synonyms: hfzo1, hfzo2, Mitofusin-1, Fzo homolog, Transmembrane GTPase MFN1, MFN1 Background: 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.
Gene ID:	55669
UniProt:	Q8IWA4
Application Details	
Application Notes:	WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months
Publications	
Product cited in:	Ku, Ji, Zhang, Li, Sang: "PM2.5, SO2 and NO2 co-exposure impairs neurobehavior and induces mitochondrial injuries in the mouse brain." in: Chemosphere , Vol. 163, pp. 27-34, (2016) (PubMed).

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/4 | Product datasheet for ABIN670071 | 03/07/2024 | Copyright antibodies-online. All rights reserved. Qin, Deng, Lou, Yu, Pei, Guan et al.: "The decreased expression of mitofusin-1 and increased fission-1 together with alterations in mitochondrial morphology in the kidney of rats with chronic fluorosis may involve elevated oxidative ..." in: Journal of trace elements in medicine and biology : organ of the Society for Minerals and Trace Elements (GMS), (2014) (PubMed).

Lou, Guan, Liu, Liu, Zhang, Pan, Pei: "The influence of chronic fluorosis on mitochondrial dynamics morphology and distribution in cortical neurons of the rat brain." in: **Archives of toxicology**, Vol. 87, Issue 3, pp. 449-57, (2013) (PubMed).

Images



103

104

10² FL2-H

60

C

100

10¹

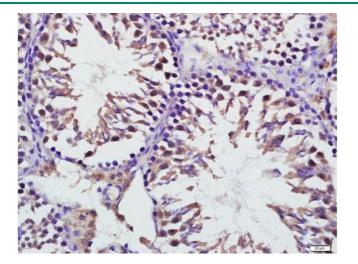
Western Blotting

Image 1. Rat brain lysates probed with Anti-Mfn1 Polyclonal Antibody at 1:5000 90min in 37°C.

Flow Cytometry

Image 2. RSC96 probed with Mfn1 Polyclonal Antibody, Unconjugated at 1:100 for 30 minutes followed by incubation with a conjugated secondary (PE Conjugated) (green) for 30 minutes compared to control cells (blue), secondary only (light blue) and isotype control (orange).

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Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Paraformaldehyde-fixed, paraffin embedded mouse testis, Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with Mitofusin 1 Polyclonal Antibody, Unconjugated at 1:400 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining.

Please check the product details page for more images. Overall 4 images are available for ABIN670071.