antibodies .- online.com







anti-MFN1 antibody (Internal Region)







0	1 /	-	K	/1	-	1 A
u	\/	\vdash	ı ۱	/ I	\vdash	1/1

Quantity:	100 μL	
	100 με	
Target:	MFN1	
Binding Specificity:	Internal Region	
Reactivity:	Human, Mouse, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This MFN1 antibody is un-conjugated	
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunocytochemistry (ICC), Immunofluorescence (IF)	
Product Details		
Immunogen:	A synthesized peptide derived from human Mitofusin, corresponding to a region within the internal amino acids.	
Isotype:	IgG	
Isotype: Specificity:	IgG Mitofusin Antibody detects endogenous levels of total Mitofusin.	

Target Details

Target: MFN1

Target Details			
Alternative Name:	MFN1 (MFN1 Products)		
Background:	Description: Mitochondrial outer membrane GTPase that mediates mitochondrial clustering and fusion (PubMed:12475957, PubMed:12759376, PubMed:27920125, PubMed:28114303). Membrane clustering requires GTPase activity (PubMed:27920125). It may involve a major rearrangement of the coiled coil domains (PubMed:27920125, PubMed:28114303). Mitochondria are highly dynamic organelles, and their morphology is determined by the equilibrium between mitochondrial fusion and fission events (PubMed:12475957, PubMed:12759376). Overexpression induces the formation of mitochondrial networks (in vitro) (PubMed:12759376). Has low GTPase activity (PubMed:27920125, PubMed:28114303). Gene: MFN1		
Molecular Weight:	84 kDa		
Gene ID:	55669		
UniProt:	Q8IWA4		
Application Details			
Application Notes:	WB 1:1000-3000, IHC 1:200, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000		
Restrictions:	For Research Use only		
Handling			
Format:	Liquid		
Concentration:	1 mg/mL		
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.		
Preservative:	Sodium azide		

Store at -20 °C. Stable for 12 months from date of receipt.

should be handled by trained staff only.

-20 °C

12 months

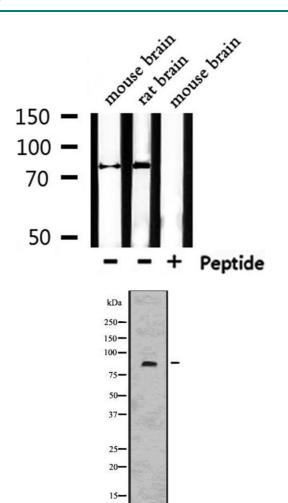
This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Precaution of Use:

Storage Comment:

Storage:

Expiry Date:

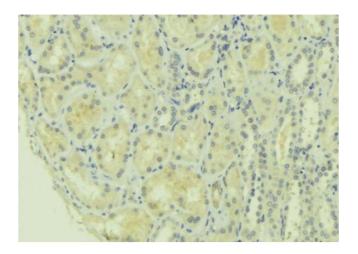


Western Blotting

Image 1. Western blot analysis of extracts from mouse brain, rat brain, using Mitofusin Antibody.

Western Blotting

Image 2. Western blot analysis of Mitofusin using 293 whole cell lysates



Immunohistochemistry

Image 3. ABIN6277756 at 1/100 staining Mouse kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22¡ãC. An HRP conjugated goat anti-rabbit antibody was used as the secondary