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Datasheet for ABIN2787347

## anti-MFN1 antibody (Middle Region)

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### Overview

Quantity:	100 µL
Target:	MFN1
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Rabbit, Dog, Horse, Cow, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MFN1 antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human MFN1
Sequence:	QVDITQKQLE EEIARLPKEI DQLEKIQNNS KLLRNKAVQL ENELENFTKQ
Predicted Reactivity:	Cow: 100%, Dog: 100%, Horse: 86%, Human: 100%, Mouse: 100%, Pig: 93%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against MFN1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

### Target Details

Target:	MFN1
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## Target Details

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Alternative Name:	MFN1 ( <a href="#">MFN1 Products</a> )
Background:	<p>The protein encoded by this gene is a mediator of mitochondrial fusion. This protein and mitofusin 2 are homologs of the Drosophila protein fuzzy onion (Fzo). They are mitochondrial membrane proteins that interact with each other to facilitate mitochondrial targeting.</p> <p>Alias Symbols: DKFZp762F247, FLJ20693, MGC41806, hfzo1, hfzo2</p> <p>Protein Interaction Partner: PARK2, MARCH5, UBC, TER94, MAVS, CCNB1, ILF2, BAK1,</p> <p>Protein Size: 741</p>
Molecular Weight:	84 kDa
Gene ID:	55669
NCBI Accession:	<a href="#">NM_033540</a> , <a href="#">NP_284941</a>
UniProt:	<a href="#">Q8R4Z9</a>

## Application Details

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Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 741 AA
Restrictions:	For Research Use only

## Handling

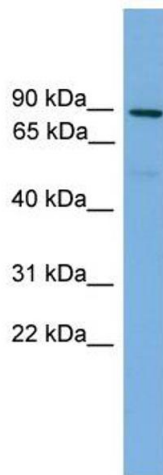
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Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Publications

Product cited in: Wen, Zhu, Zhang, Keum, Zykova, Yao, Peng, Zheng, Cho, Ma, Bode, Dong: "MST1 promotes apoptosis through phosphorylation of histone H2AX." in: **The Journal of biological chemistry**, Vol. 285, Issue 50, pp. 39108-16, (2010) ([PubMed](#)).

## Images

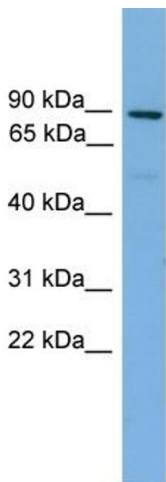


### Western Blotting

#### Image 1. WB Suggested Anti-MFN1 Antibody Titration:

0.2-1 ug/ml

**Positive Control:** Human Placenta



Rabbit Anti-MFN1 Antibody  
Catalog Number: ARP57702  
Lot Number: QC28999  
Lane: Placenta Lysate

Antibody Titration: 1.0µg/ml  
Gel Concentration: 12%

### Western Blotting

#### Image 2. WB Suggested Anti-MFN1

Antibody Titration: 0.2-1 µg/mL

Positive Control: Human Placenta