

## Product datasheet for **TA349063**

### Mitofusin 1 (MFN1) Rabbit Polyclonal Antibody

#### Product data:

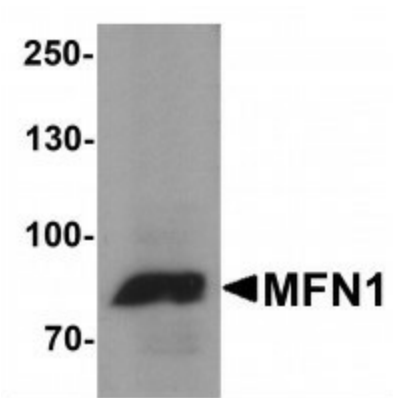
Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB: 1 - 2 ug/mL, IHC: 5 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	MFN1 antibody was raised against a 17 amino acid peptide near the amino terminus of human MFN1.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	MFN1 antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	Predicted: 82 kDa; Observed: 83 kDa
Gene Name:	mitofusin 1
Database Link:	<a href="#">NP_284941</a> <a href="#">Entrez Gene 67414 Mouse</a> <a href="#">Entrez Gene 192647 Rat</a> <a href="#">Entrez Gene 55669 Human</a> <a href="#">Q8IWA4</a>
Background:	Mitofusin 1 (MFN1) and the related protein MFN2 are mitochondrial membrane GTPase proteins that play a central role in mitochondrial metabolism and may be associated with obesity and/or apoptosis processes (1,2). MFN1 and MFN2 form homotypic and heterotypic complexes and coordinately regulate mitochondrial fusion and are essential for embryonic development (3). When ectopically expressed, MFN1 inhibits the apoptosis-associated amino-terminal conformation change in the apoptotic protein Bax but not its mitochondrial translocation, indicating that MFN1 is involved in the regulating the activation of Bax on the outer mitochondrial membrane (4).



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Synonyms: hfzo1; hfzo2

### Product images:



Western blot analysis of MFN1 in A431 cell lysate with MFN1 antibody at 1 ug/mL.



Immunocytochemistry of MFN1 in A431 cells with MFN1 antibody at 5 ug/mL.