

Immunotag™ Mitofusin Antibody

Antibody Specification	
Catalog No.	ITA7576
Product Description	Immunotag™ Mitofusin Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	Mitofusin
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,ELISA
Recommended Dilution	WB 1:1000-3000 IHC 1:200
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human Mitofusin
Specificity	Mitofusin Antibody detects endogenous levels of total Mitofusin
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	MFN1
Accession No.	Q8IWA4
Alternate Names	Fzo homolog; Hfzo1; Hfzo2; MFN 1; Mfn1; MFN1_HUMAN; Mitochondrial transmembrane GTPase Fzo 1; Mitochondrial transmembrane GTPase FZO 2; Mitochondrial transmembrane GTPase FZO1B; Mitofusin 1; Mitofusin-1; Mitofusin1; MS996; Putative transmembrane GTPase; Transmembrane GTPase MFN1;

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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).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	84 kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.