

## Mitofusin 1 Rabbit mAb [128S]

Cat NO. :A87061

### Information:

Applications	Reactivity:	UniProt ID:	MW(kDa)	Host	Isotype	Size
WB	H	Q8IWA4	86 kDa	Rabbit	IgG	50ul,100ul,200ul

### Applications detail:

Application	Dilution
WB	1:1000-2000
The optimal dilutions should be determined by the end user	

### Conjugate:

UnConjugate

### Form:

Liquid

### sensitivity:

Endogenous

### Purification:

Protein A purification

### Specificity:

Antibody is produced by immunizing animals with a synthetic peptide of Human Mitofusin 1.

### Storage buffer and conditions:

Antibody store in 10 mM PBS, 0.5mg/ml BSA, 50% glycerol (buffer) .

Shipped at 4°C. Store at -20°C or -80°C.

Products are valid for one natural year of receipt.Avoid repeated freeze / thaw cycles.

### Tissue specificity:

Detected in kidney and heart (at protein level) (PubMed:12759376). Ubiquitous (PubMed:11950885, PubMed:12759376). Expressed at slightly higher level in kidney and heart (PubMed:12759376). Isoform 2

### Subcellular location:

Mitochondrion outer membrane,Multi-pass membrane protein.,[Isoform 2]: Cytoplasm.

### Function:

**Introduction:** **WB:** Western Blot **IP:** Immunoprecipitation **IHC:** Immunohistochemistry **ChIP:** Chromatin Immunoprecipitation **ICC/IF:** Immunocytochemistry/Immunofluorescence **F:** Flow Cytometry

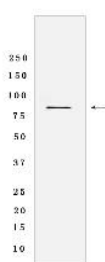
**Cross Reactivity:** **H:** human **M:** mouse **R:** rat **Hm:** hamster **Mk:** monkey **Vir:** virus **Mi:** mink **C:** chicken **Dm** D. melanogaster **X:** Xenopus **Z:** zebrafish **B:** bovine **Dg:** dog **Pg:** pig **Hr:** horse

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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)..

## Validation Data:

### Mitofusin 1 Rabbit mAb [128S] Images



Western blot (SDS PAGE) analysis of extracts from K-562 cells lysates using Mitofusin 1 Rabbit mAb [128S] at dilution of 1:1000 incubated at 4°C over night

View more information on <http://naturebios.com>

**IMPORTANT:** For western blots, incubate membrane with diluted primary antibody in 1% w/v Milk, 1X TBST at 4°C overnight.

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