

# FIS1 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a full-length recombinant FIS1. Catalog # AT2053a

## **Product Information**

Application	WB, E
Primary Accession	<u>Q9Y3D6</u>
Other Accession	<u>BC003540</u>
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	3G6
Calculated MW	16938

#### **Additional Information**

Gene ID	51024
Other Names	Mitochondrial fission 1 protein, FIS1 homolog, hFis1, Tetratricopeptide repeat protein 11, TPR repeat protein 11, FIS1, TTC11
Target/Specificity	FIS1 (AAH03540.1, 1 a.a. ~ 152 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	FIS1 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

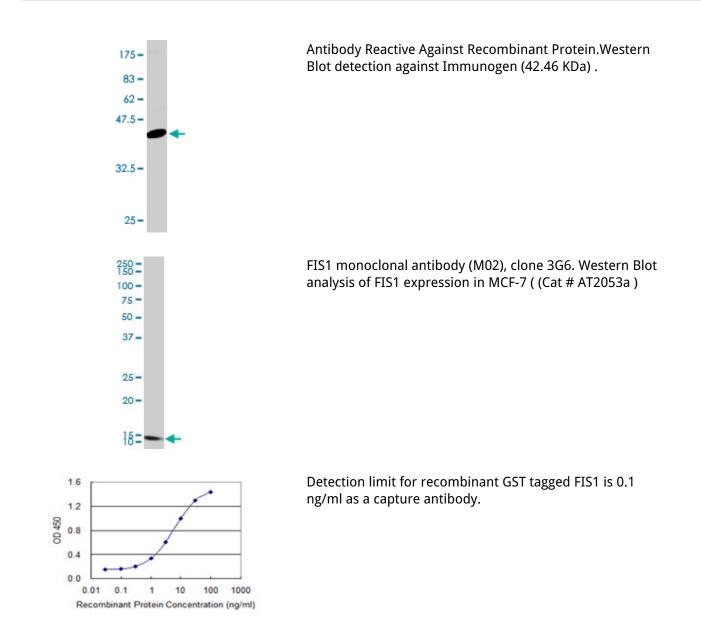
## Background

The balance between fission and fusion regulates the morphology of mitochondria. TTC11 is a component of a mitochondrial complex that promotes mitochondrial fission (James et al., 2003 [PubMed 12783892]).

## References

Specific mitochondrial calcium overload induces mitochondrial fission in prostate cancer cells. Kaddour-Djebbar I, et al. Int J Oncol, 2010 Jun. PMID 20428767.Decreased expression of Drp1 and Fis1 mediates mitochondrial elongation in senescent cells and enhances resistance to oxidative stress through PINK1. Mai S, et al. J Cell Sci, 2010 Mar 15. PMID 20179104.Identification and characterization of unique proline-rich peptides binding to the mitochondrial fission protein hFis1. Serasinghe MN, et al. J Biol Chem, 2010 Jan 1. PMID 19864424. The mitochondrial outer membrane protein hFis1 regulates mitochondrial morphology and fission through self-interaction. Serasinghe MN, et al. Exp Cell Res, 2008 Nov 15. PMID 18845145. Selective actions of mitochondrial fission/fusion genes on metabolism-secretion coupling in insulin-releasing cells. Park KS, et al. J Biol Chem, 2008 Nov 28. PMID 18832378.

#### Images



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