



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## DNM1L monoclonal antibody (M01), clone 3B5

產品編號 #: H00010059-M01

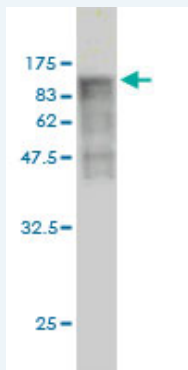
規格 : [ 100 ug ]

[List All](#)

### Specification

<b>Product Description:</b>	Mouse monoclonal antibody raised against a full length recombinant DNM1L.
<b>Immunogen:</b>	DNM1L (AAH24590.1, 1 a.a. ~ 710 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence:</b>	MEALIPVINKLQDVFNTVVGADIIQLPQIVVGTQSSGKSSVLESVGRDLLP RGTGIVTRRPLILQLVHVSQEDKRKTTGEENGVEAEEWGKFLHTKNKLY TDFDEIRQEIENETERISGNNKGVSPPEIHLKIFSPNVNLTLDLPGMTKV PVGDPKDIELQIRELILRFISNPNSILAVTAANTDMATSEALKISREVDPD GRRTLAVITKLDLMDAGTDAMDVLMGRVIPVKLGIGVWNRSQLDINNKKS VTDSIRDEYAFLLQKKYPSLANRNGTKYLARTLNRLMHHIRDCLPELKTRI NVLAAQYQSLLSYGEVDDKSATLLQLITKFATEYCNITIEGTAKYIETSE LCGGARICYIFHETFGRITLESVDPLGGLNTIDILTAIRNATGPRPALFVPEV SFELLVKRQIKRLEEPSLRCVELVHEEMQRIQHCSNYSTQELLRFPKLHD AVEVVTCLLRKRLPVTNEMVHNLVAIELAYINTKHPDFADACGLMNNNIEE QRRNRLARELPSAVSRDKLIQDSRRETKNVASGGGGVGDGVQEPTTGN WRGMLKTSKAEELLAEKSKPIIMPASPQKGHAVNLLDVPVPVARKLSA REQRDCEVIERLIKSYFLVIRKNIQDSVPKAVMHFLVNHVKDTLQSELVGQ LYKSSLLDDLLTESEDMAQRREKAADMLKALQGASQIAEIRETHLW
<b>Host:</b>	Mouse
<b>Reactivity:</b>	Human
<b>Isotype:</b>	IgG2b kappa

**Quality Control Testing:** Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (103.84 KDa) .

**Storage Buffer:** In 1x PBS, pH 7.4

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

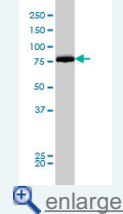
**MSDS:** [Download](#)

**Datasheet:** [Download](#)

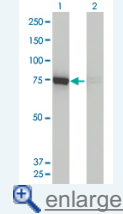
### Publication Reference

### Application Image

Western Blot (Cell lysate)

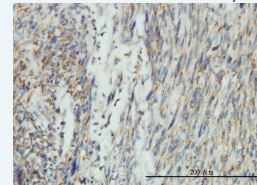


Western Blot (Transfected lysate)

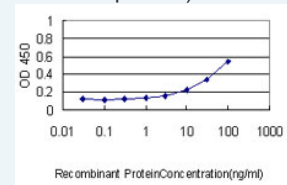


Western Blot (Recombinant protein)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)



Sandwich ELISA (Recombinant protein)

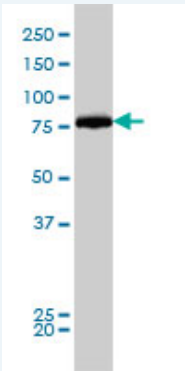


ELISA

1. Hyperinsulinemia induces insulin resistance in dorsal root ganglion neurons.  
Kim B, McLean LL, Philip SS, Feldman EL. *Endocrinology*. 2011 Oct;152(10):3638-47.  
Epub 2011 Aug 2.
2. Mitochondrial biogenesis and fission in axons in cell culture and animal models of diabetic neuropathy.  
Vincent AM, Edwards JL, McLean LL, Hong Y, Cerri F, Lopez I, Quattrini A, Feldman EL. *Acta Neuropathol*. 2010 May 15. [Epub ahead of print]
3. Diabetes regulates mitochondrial biogenesis and fission in mouse neurons.  
Edwards JL, Quattrini A, Lentz SI, Figueroa-Romero C, Cerri F, Backus C, Hong Y, Feldman EL. *Diabetologia*. 2009 Oct 22. [Epub ahead of print]
4. SUMOylation of the mitochondrial fission protein Drp1 occurs at multiple nonconsensus sites within the B domain and is linked to its activity cycle.  
Figueroa-Romero C, Iniguez-Lluh JA, Stadler J, Chang CR, Arnoult D, Keller PJ, Hong Y, Blackstone C, Feldman EL. *FASEB J*. 2009 Jul 28. [Epub ahead of print]

## Applications

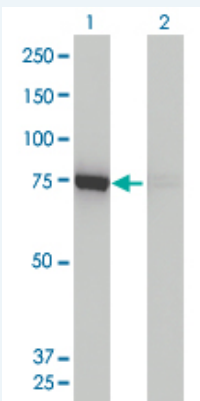
### Western Blot (Cell lysate)



DNM1L monoclonal antibody (M01), clone 3B5 Western Blot analysis of DNM1L expression in K-562 ( Cat # L009V1 ).

[Protocol Download](#)

### Western Blot (Transfected lysate)



Western Blot analysis of DNM1L expression in transfected 293T cell line by DNM1L monoclonal antibody (M01), clone 3B5.

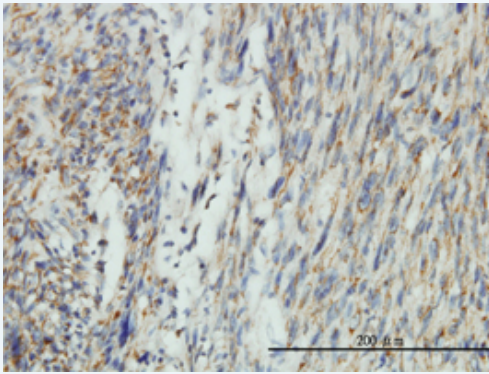
Lane 1: DNM1L transfected lysate(79 KDa).  
Lane 2: Non-transfected lysate.

[Protocol Download](#)

### Western Blot (Recombinant protein)

[Protocol Download](#)

### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

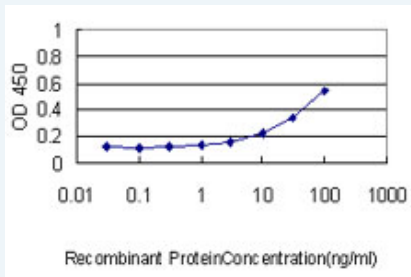


[enlarge this image](#)

Immunoperoxidase of monoclonal antibody to DNM1L on formalin-fixed paraffin-embedded human leiomyosarcoma tissue. [antibody concentration 1 ug/ml]

[Protocol Download](#)

### Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged DNM1L is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

### ELISA

#### Gene Information

Entrez GeneID: [10059](#)

GeneBank [BC024590](#)  
Accession#:

Protein [AAH24590.1](#)  
Accession#:

Gene Name: DNM1L

Gene Alias: DLP1,DRP1,DVLP,DYMPLE,DYNIV-11,FLJ41912,HDYNIV,VPS1

Gene Description: dynamin 1-like

Omim ID: [603850](#)

Gene Ontology: [Hyperlink](#)

**Gene Summary:** The protein encoded by this gene is a member of the dynamin superfamily of GTPases. Members of the dynamin-related subfamily, including the *S. cerevisiae* proteins Dnm1 and Vps1, contain the N-terminal tripartite GTPase domain but do not have the pleckstrin homology or proline-rich domains. This protein establishes mitochondrial morphology through a role in distributing mitochondrial tubules throughout the cytoplasm. The gene has 3 alternatively spliced transcripts encoding different isoforms. These transcripts are alternatively polyadenylated. [provided by RefSeq]

**Other Designations:** Dnm1p/Vps1p-like protein,dynamin 1-like protein,dynamin family member proline-rich carboxyl-terminal domain less,dynamin-like protein 4,dynamin-like protein IV,dynamin-related protein 1

### Gene Pathway

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[Endocytosis Fc gamma R-mediated phagocytosis](#)

### Related Disease

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[Tobacco Use Disorder](#)

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