



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## FABP3 Validated Chimera RNAi

Catalog # : H00002170-R01V

規格 : [ 10 nmol ] [ 20 nmol ]

[List All](#)

### Specification

**Product Description:** Homo sapiens fatty acid binding protein 3, muscle and heart (mammary-derived growth inhibitor) (FABP3), mRNA.

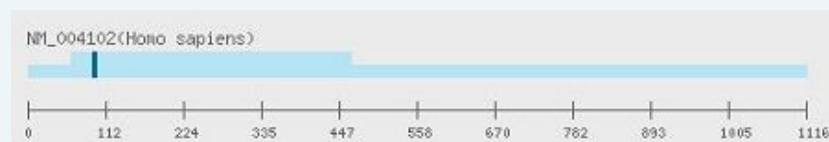
**Reactivity:** Human

**Supplied Product:** DEPC water

**Target Refseq:** NM\_004102

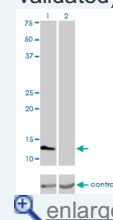
**Storage Instruction:** Store at -20°C, do not exceed 4 - 5 freeze-thaw cycles to ensure product integrity.

**Note:** Position of the Chimera RNAi.



### Application Image

RNAi Knockdown (Antibody validated)

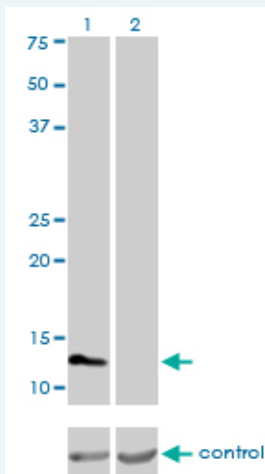


### Publication Reference


- [dsCheck: highly sensitive off-target search software for double-stranded RNA-mediated RNA interference.](#)  
Naito Y, Yamada T, Matsumiya T, Ui-Tei K, Saigo K, Morishita S. *Nucleic Acids Res.* 2005 Jul 1;33(Web Server issue):W589-91.
- [Functional dissection of siRNA sequence by systematic DNA substitution: modified siRNA with a DNA seed arm is a powerful tool for mammalian gene silencing with significantly reduced off-target effect.](#)  
Ui-Tei K, Naito Y, Zenno S, Nishi K, Yamato K, Takahashi F, Juni A, Saigo K. *Nucleic Acids Res.* 2008 Apr;36(7):2136-51. Epub 2008 Feb 11.
- [Guidelines for the selection of highly effective siRNA sequences for mammalian and chick RNA interference.](#)  
Ui-Tei K, Naito Y, Takahashi F, Haraguchi T, Ohki-Hamazaki H, Juni A, Ueda R, Saigo K. *Nucleic Acids Res.* 2004 Feb 9;32(3):936-48. Print 2004.
- [siDirect: highly effective, target-specific siRNA design software for mammalian RNA interference.](#)  
Naito Y, Yamada T, Ui-Tei K, Morishita S, Saigo K. *Nucleic Acids Res.* 2004 Jul 1;32(Web Server issue):W124-9.

### Applications

**RNAi Knockdown (Antibody validated)**



Western blot analysis of FABP3 over-expressed 293 cell line, cotransfected with FABP3 Validated Chimera RNAi ( Cat # H00002170-R01V ) (Lane 2) or non-transfected control (Lane 1). Blot probed with FABP3 monoclonal antibody (M01), clone 4F6-1D6 (Cat # H00002170-M01 ). GAPDH ( 36.1 kDa ) used as specificity and loading control.

 [Protocol Download](#)

## Gene Information

**Entrez GeneID:** [2170](#)

**Gene Name:** FABP3

**Gene Alias:** FABP11,H-FABP,MDGI,O-FABP

**Gene Description:** fatty acid binding protein 3, muscle and heart (mammary-derived growth inhibitor)

**Omim ID:** [134651](#)

**Gene Ontology:** [Hyperlink](#)

**Gene Summary:** The intracellular fatty acid-binding proteins (FABPs) belongs to a multigene family. FABPs are divided into at least three distinct types, namely the hepatic-, intestinal- and cardiac-type. They form 14-15 kDa proteins and are thought to participate in the uptake, intracellular metabolism and/or transport of long-chain fatty acids. They may also be responsible in the modulation of cell growth and proliferation. Fatty acid-binding protein 3 gene contains four exons and its function is to arrest growth of mammary epithelial cells. This gene is a candidate tumor suppressor gene for human breast cancer. [provided by RefSeq]

**Other Designations:** Fatty acid-binding protein 3, muscle,OTTHUMP00000003898,fatty acid binding protein 11,fatty acid binding protein 3,mammary-derived growth inhibitor

## Gene Pathway

[PPAR signaling pathway](#)

## Related Disease

[Anorexia Nervosa](#) [Autistic Disorder](#) [Bipolar Disorder](#) [Bulimia](#) [Cardiovascular Diseases](#) [Diabetes Mellitus, Type 2](#) [Disease Susceptibility](#) [Edema](#) [Fractures, Bone](#) [Genetic Predisposition to Disease](#) [Hypertension](#) [Narcolepsy](#) [Schizophrenia](#) [Schizophrenia](#)