



SZABO SCANDIC

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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

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FADS1 monoclonal antibody (M04), clone 2D9

Catalog # : H00003992-M04

規格 : [100 ug]

[List All](#)

Specification

Product Description:	Mouse monoclonal antibody raised against a partial recombinant FADS1.
Immunogen:	FADS1 (NP_037534, 1 a.a. ~ 99 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	MAPDPVAAETA AQGPTPRYFTWDEVAQRSGCEERWLVIDRKVYNISEF TRRHPPGGSRVISHYAGQDATDPFVAFHINKGLVKKYMNSLLIGELSPEQPS
Host:	Mouse
Reactivity:	Human
Isotype:	IgG2a Kappa

Quality Control Testing: Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (36.63 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](#)

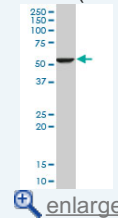
Datasheet: [Download](#)

Applications

Western Blot (Cell lysate)

Application Image

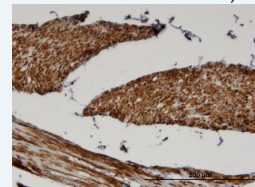
Western Blot (Cell lysate)



[enlarge](#)

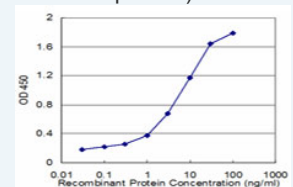
Western Blot (Recombinant protein)

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



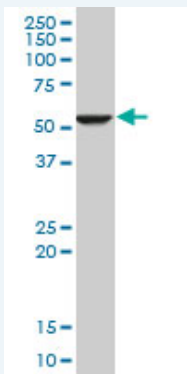
[enlarge](#)

Sandwich ELISA (Recombinant protein)



[enlarge](#)

ELISA



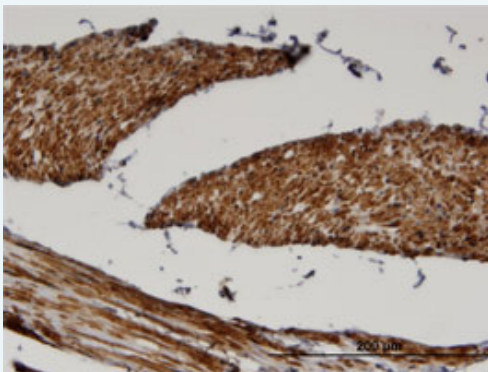
monoclonal antibody (M04), clone 2D9. Western Blot analysis of expression in Hela S3 NE (Cat # L013V3).

[Protocol Download](#)

Western Blot (Recombinant protein)

[Protocol Download](#)

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

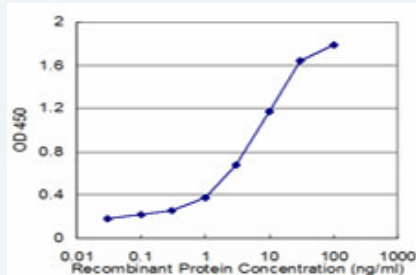


[enlarge this image](#)

Immunoperoxidase of monoclonal antibody to FADS1 on formalin-fixed paraffin-embedded human skeletal muscle. [antibody concentration 3 ug/ml]

[Protocol Download](#)

Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged FADS1 is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

ELISA

Gene Information

Entrez GeneID: [3992](#)

GeneBank [NM_013402](#)
Accession#:

Protein [NP_037534](#)
Accession#:

Gene Name: FADS1

Gene Alias: D5D,FADS6,FADSD5,FLJ38956,FLJ90273,LLCDL1,TU12

Gene fatty acid desaturase 1

Description:

Omim ID: [606148](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The protein encoded by this gene is a member of the fatty acid desaturase (FADS) gene family. Desaturase enzymes regulate unsaturation of fatty acids through the introduction of double bonds between defined carbons of the fatty acyl chain. FADS family members are considered fusion products composed of an N-terminal cytochrome b5-like domain and a C-terminal multiple membrane-spanning desaturase portion, both of which are characterized by conserved histidine motifs. This gene is clustered with family members FADS1 and FADS2 at 11q12-q13.1; this cluster is thought to have arisen evolutionarily from gene duplication based on its similar exon/intron organization. [provided by RefSeq]

Other Designations: delta(5) desaturase,delta-5 desaturase,delta-5 fatty acid desaturase,linoleoyl-CoA desaturase (delta-6-desaturase)-like 1

Gene Pathway

[Biosynthesis of unsaturated fatty acids](#)

Related Disease

[Attention Deficit Disorder with Hyperactivity](#) [Cardiovascular Diseases](#) [Cognition](#) [Coronary Artery Disease](#) [Depression, Postpartum](#) [Depressive Disorder](#) [Dermatitis, Atopic](#) [Diabetes Mellitus, Type 2](#) [Dyslipidemias](#) [Edema](#) [Genetic Predisposition to Disease](#) [Hyperlipidemia, Familial Combined](#) [Hypersensitivity Inflammation](#) [Macular Degeneration](#) [Neoplasms](#) [Rhinitis Syndrome](#)