

For Research Use Only

FADS2 Polyclonal antibody

Catalog Number: 28034-1-AP

Featured Product

7 Publications



Basic Information

Catalog Number:

28034-1-AP

Size:

150ul, Concentration: 800 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG27709

GenBank Accession Number:

BC009011

GeneID (NCBI):

9415

UNIPROT ID:

O95864

Full Name:

fatty acid desaturase 2

Calculated MW:

445 aa, 49 kDa

Observed MW:

46-52 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : L02 cells, mouse liver tissue, rat liver tissue

IHC : mouse heart tissue,

Background Information

Fatty acid desaturase 2 (FADS2) is responsible for the first desaturation reaction in the synthesis of highly unsaturated fatty acids (HUFAs), such as arachidonic acid (20:4n-6) and eicosapentaenoic acid (20:5n-3), and is involved in Mead acid (20:3n-9) production during essential fatty acid deficiency (EFAD) (PMID: 29353041). This is important when temperatures changes and the membrane is under distress. It has 4 isoforms and can be detected as 46-52 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Daisuke Yamane	34520742	Cell Chem Biol	WB
Ge Liu	31199678	FASEB J	WB
Meijiang Zhu	39679976	Immun Inflamm Dis	WB,IF

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

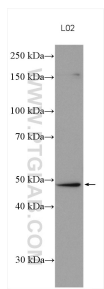
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

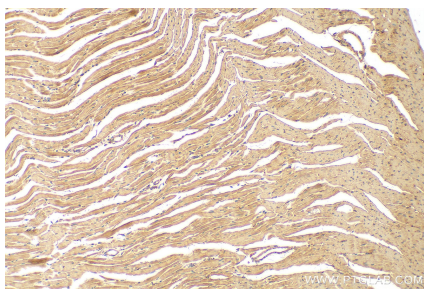
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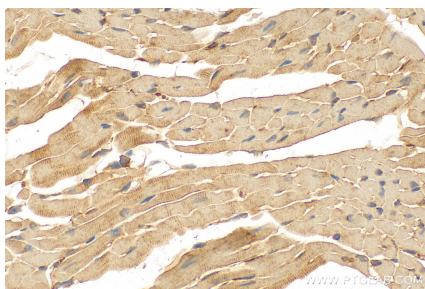
Selected Validation Data



L02 cells were subjected to SDS PAGE followed by western blot with 28034-1-AP (FADS2-Specific antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 28034-1-AP (FADS2 antibody) at dilution of 1:100 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 28034-1-AP (FADS2 antibody) at dilution of 1:100 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).