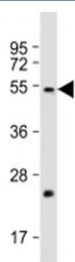


## FADS2 Antibody (F54077)

Catalog No.	Formulation	Size
F54077-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F54077-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Protein A affinity
<b>UniProt</b>	O95864
<b>Applications</b>	Western Blot : 1:2000
<b>Limitations</b>	This FADS2 antibody is available for research use only.



Western blot testing of FADS2 antibody at 1:2000 + human liver lysate. Predicted molecular weight ~52 kDa.

## Description

Component of a lipid metabolic pathway that catalyzes biosynthesis of highly unsaturated fatty acids (HUFA) from precursor essential polyunsaturated fatty acids (PUFA) linoleic acid (LA) (18:2n-6) and alpha-linolenic acid (ALA) (18:3n-3). Catalyzes the first and rate limiting step in this pathway which is the desaturation of LA (18:2n-6) and ALA (18:3n-3) into gamma-linolenic acid (GLA) (18:3n-6) and stearidonic acid (18:4n-3) respectively and other desaturation steps. Highly unsaturated fatty acids (HUFA) play pivotal roles in many biological functions. It catalyzes as well the introduction of a cis double bond in palmitate to produce the mono-unsaturated fatty acid sapienate, the most abundant fatty acid in sebum. [UniProt]

## Application Notes

The stated application concentrations are suggested starting points. Titration of the FADS2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

Recombinant human FADS2 was used as the immunogen for the FADS2 antibody.

## Storage

Aliquot the FADS2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.