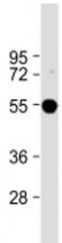
FADS2 Antibody (F54076)

Catalog No.	Formulation	Size
F54076-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F54076-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Protein A affinity
UniProt	O95864
Applications	WB: 1:2000
Limitations	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- linoleic 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 catalizes 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.

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