FADS1 Antibody

PACO49586

Product Information

Size:

50ug

Reactivity:

Human

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, IHC, IF

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:500-1:5000, IHC:1:20-1:200, IF:1:50-1:200

Protein Background:

Isoform 2 does not exhibit any catalytic activity toward 20:3n-6, but it may enhance FADS2 activity. Isoform 1 is a component of a lipid metabolic pathway that catalyzes biosynthesis of highly unsaturated fatty acid, (HUFA) from precursor essential polyunsaturated fatty acid, (PUFA) linoleic acid, (LA) (18:2n-6) and alpha-linolenic acid, (ALA) (18:3n-3). Catalyzes the desaturation of dihomo-gamma-linoleic acid, (DHGLA) (20:3n-6) and eicosatetraenoic acid, (20:4n-3) to generate arachidonic acid, (AA) (20:4n-6) and eicosapentaenoic acid, (EPA)(20:5n-3), respectively.

Gene ID:

FADS1

Uniprot

O60427

Synonyms:

Fatty acid, desaturase 1 (EC 1.14.19) (Delta(5) fatty acid, desaturase) (D5D) (Delta(5) desaturase) (Delta-5 desaturase), FADS1, FADSD5

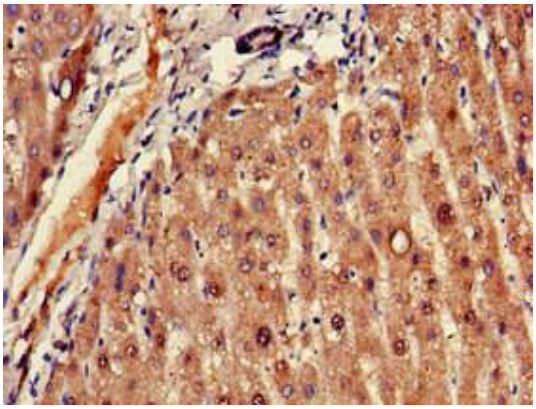
Immunogen:

Recombinant Human Fatty acid, desaturase 1 protein (1-121AA).

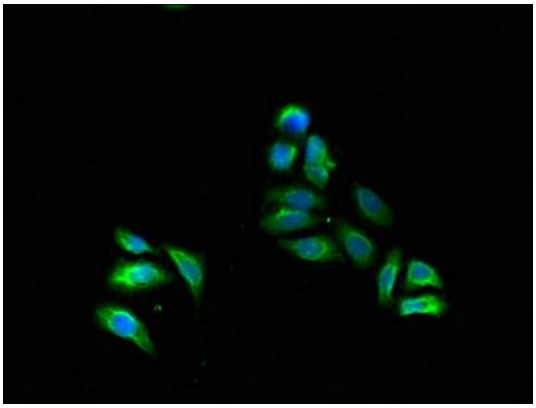
Storage:

Preservative: 0.03% Proclin 300. Constituents: 50% Glycerol, 0.01M PBS, pH 7.4

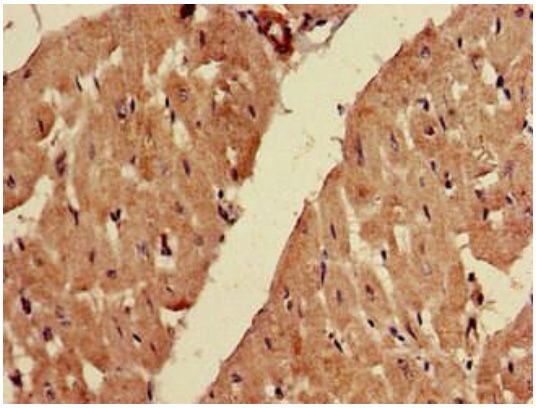
Product Images



Immunohistochemistry of paraffin-embedded human liver tissue using PACO49586 at dilution of 1:100.



Immunofluorescent analysis of HepG2 cells using PACO49586 at dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemistry of paraffin-embedded human heart tissue using PACO49586 at dilution of 1:100.