

Rabbit anti-Human FADS1 Polyclonal Antibody | anti-FADS1 antibody

FADS1 Antibody

CATALOG # AAA232482	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunofluorescence, Immunohistochemistry, ELISA
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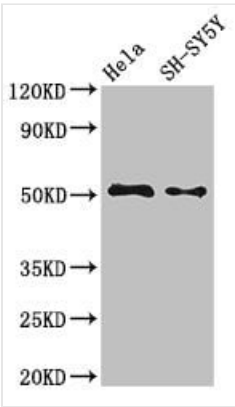
PRODUCT SYNONYMS

FADS1; Polyclonal Antibody; FADS1 Antibody; Fatty acid desaturase 1; Delta(5) fatty acid desaturase; D5D; Delta(5) desaturase; Delta-5 desaturase; FADSD5; anti-FADS1 antibody

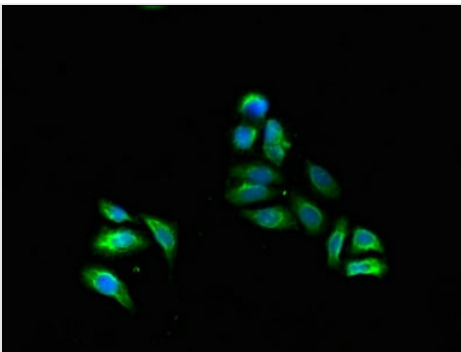
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	501
Applicable Applications for anti-FADS1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human Fatty acid desaturase 1 protein (1-121AA)
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, pH 7.4
Conjugation	Non-conjugated
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-101953 / sc-132678 / sc-132679
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

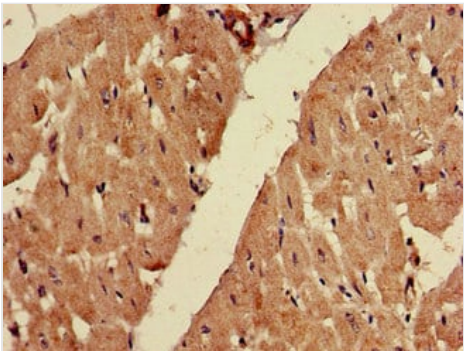
IMAGES



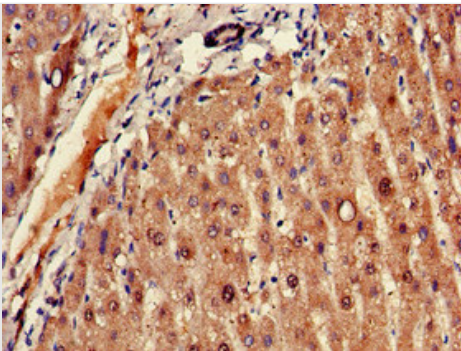
WB (Western Blot)
Western BlotPositive WB detected in: HeLa whole cell lysate,SH-SY5Y whole cell lysateAll lanes: FADS1 antibody at 3.4ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 52,43 KDaObserved band size: 52 KDa



IHC (Immunohistochemisry)
Immunofluorescent analysis of HepG2 cells using AAA232482 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human heart tissue using AAA232482 at dilution of 1:100



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human liver tissue using AAA232482 at dilution of 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-FADS1 antibody	Isoform 2 does not exhibit any catalytic activity toward 20: 3n-6, but it may enhance FADS2 activity (By similarity). Isoform 1 is a 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 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	214831730
NCBI GeneID	3992
NCBI Accession #	NP_037534.3
NCBI GenBank Nucleotide #	NM_013402.4
UniProt Accession #	O60427; Q53GM5; Q8N3A6; Q8NCC7; Q8NCG0; Q96I39; Q96SV3; Q96T10; Q9NRP8; Q9NYX1; A8K0I7; B2RAI0
Molecular Weight	42,474 Da
NCBI Official Full Name	fatty acid desaturase 1
NCBI Official Synonym Full Names	fatty acid desaturase 1
NCBI Official Symbol	FADS1

NCBI Official Synonym Symbols	D5D; TU12; FADS6; FADSD5; LLCDL1
NCBI Protein Information	fatty acid desaturase 1
UniProt Protein Name	Fatty acid desaturase 1
UniProt Gene Name	FADS1
UniProt Synonym Gene Names	FADSD5; D5D; Delta(5) desaturase; Delta-5 desaturase
UniProt Entry Name	FADS1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/fads1-antibody-immunofluorescence-immunohistochemistry-elisa/232482>