

Rabbit FADS1 Polyclonal Antibody | anti-FADS1 antibody

FADS1 Antibody

CATALOG # AAA328657	HOST Rabbit	REACTIVITY Human, Mouse Predicted: Pig, Bovine, Horse, Sheep, Rabbit, Dog	APPLICATIONS Western Blot
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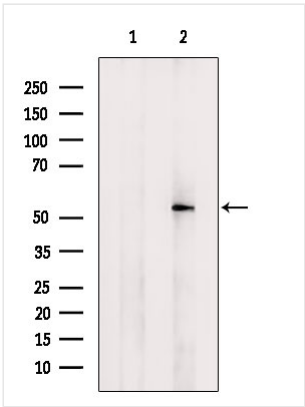
PRODUCT SYNONYMS

FADS1; Polyclonal Antibody; FADS1 Antibody; anti-FADS1 antibody

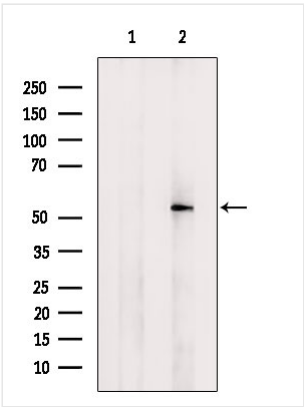
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse Predicted: Pig, Bovine, Horse, Sheep, Rabbit, Dog
Clonality	Polyclonal
Isotype	IgG
Specificity	FADS1 Antibody detects endogenous levels of FADS1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	501
Applicable Applications for anti-FADS1 antibody	WB (Western Blot)
Immunogen	A synthesized peptide derived from human FADS1.
Tissue Specificity	Widely expressed, with highest levels in liver, brain, adrenal gland and heart. Highly expressed in fetal liver and brain.
Fragment	Fab Fragment
Conjugate	Unconjugated
Subcellular Location	Endoplasmic Reticulum; Mitochondrion; Endoplasmic Reticulum
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts from HeLa cells, using FADS1 Antibody. The lane on the left was treated with blocking peptide.Observed bands: 60 kDa.



WB (Western Blot)
Western blot analysis of extracts from Mouse brain tissue, using FADS1 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-FADS1 antibody	Description: 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. Similarity: The histidine box domains may contain the active site and/or be involved in metal ion binding. Belongs to the fatty acid desaturase type 1 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	214831730
NCBI GeneID	3992
NCBI Accession #	NP_037534.3
NCBI GenBank Nucleotide #	NP_037534.3
UniProt Accession #	O60427
Molecular Weight	Observed: 52 kDa Predicted: 52 kDa
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	acyl-CoA (8-3)-desaturase
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://stage.aaabiotech.com/polyclonal/fads1-antibody-western-blot-elisa/328657>