

Rabbit FADS1 Polyclonal Antibody | anti-FADS1 antibody

FADS1 antibody - C-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199110	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat	Western Blot, Immunohistochemistry

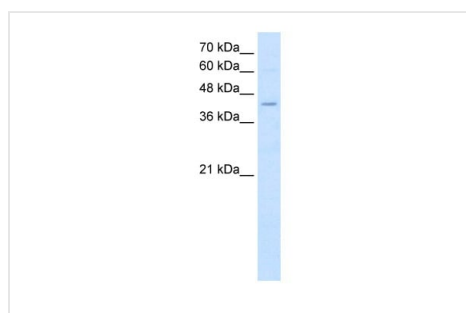
PRODUCT SYNONYMS

FADS1; Polyclonal Antibody; FADS1 antibody - C-terminal region; anti-FADS1 antibody

PRODUCT SPECIFICATIONS

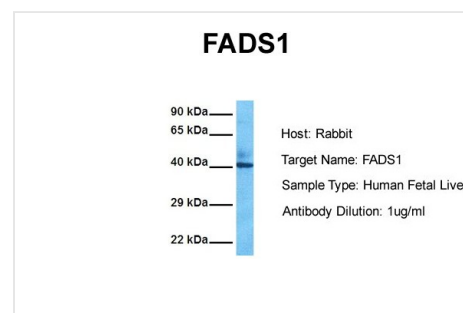
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Protein A purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: FN DWFSGHLNFQ IEHHLFPTMP RHNYHKVAPL VQSLCAKHGI EYQSKPLL
Sequence Length	444
Applicable Applications for anti-FADS1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 100%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the C terminal region of human FADS1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



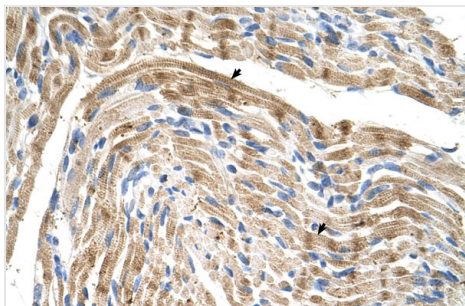
WB (Western Blot)

WB Suggested Anti-FADS1 Antibody Titration: 2.5ug/ml
Positive Control: K562 cell lysate
FADS1 is strongly supported by BioGPS gene expression data to be expressed in Human K562 cells



WB (Western Blot)

Host: Rabbit
Target Name: FADS1
Sample Tissue: Human Fetal Liver
Antibody Dilution: 1.0ug/ml



IHC (Immunohistochemistry)
Human Muscle

ADDITIONAL INFORMATION

Related Product Information for anti-FADS1 antibody	This is a rabbit polyclonal antibody against FADS1. It was validated on Western Blot and immunohistochemistry Target Description: FADS1 is a member of the fatty acid desaturase (FADS) family. Desaturase enzymes regulate unsaturation of fatty acids through the introduction of double bonds between defined carbons of the fatty acyl chain. FADS family members are considered fusion products composed of an N-terminal cytochrome b5-like domain and a C-terminal multiple membrane-spanning desaturase portion, both of which are characterized by conserved histidine motifs. The protein encoded by this gene is a member of the fatty acid desaturase (FADS) gene family. Desaturase enzymes regulate unsaturation of fatty acids through the introduction of double bonds between defined carbons of the fatty acyl chain. FADS family members are considered fusion products composed of an N-terminal cytochrome b5-like domain and a C-terminal multiple membrane-spanning desaturase portion, both of which are characterized by conserved histidine motifs. This gene is clustered with family members FADS1 and FADS2 at 11q12-q13.1; this cluster is thought to have arisen evolutionarily from gene duplication based on its similar exon/intron organization.
Product Categories/Family for anti-FADS1 antibody	Polyclonal; Membrane Protein; Transcription Regulation; Drugs and Drug Metabolism; Immunohistochemistry; Transcription Factors; Cell Differentiation

NCBI AND UNIPROT INFORMATION

NCBI GI #	1442828701
NCBI GeneID	3992
NCBI Accession #	NP_037534
NCBI GenBank Nucleotide #	NM_013402
UniProt Accession #	O60427
Molecular Weight	49kDa
NCBI Official Full Name	acyl-CoA (8-3)-desaturase
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; 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.

