

Rabbit FADS2 Polyclonal Antibody | anti-FADS2 antibody

FADS2 Antibody (Center)

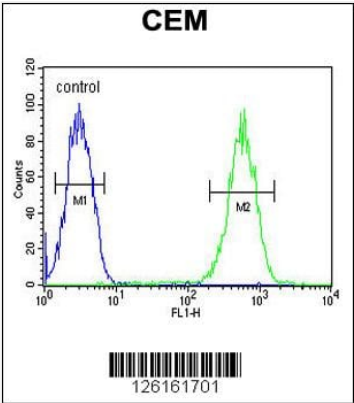
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290230	Rabbit	Human (Predicted Reactivity: Bovine, Xenopus)	Immunohistochemistry, Western Blot, ELISA, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

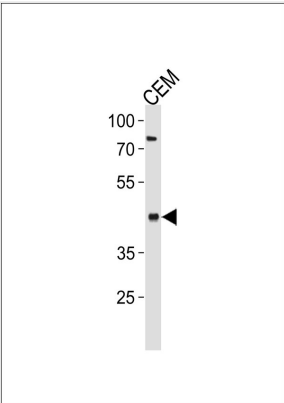
FADS2; Polyclonal Antibody; FADS2 Antibody (Center); Fatty acid desaturase 2; 11419-; Delta(6) fatty acid desaturase; D6D; Delta(6) desaturase; Delta-6 desaturase; anti-FADS2 antibody

PRODUCT SPECIFICATIONS

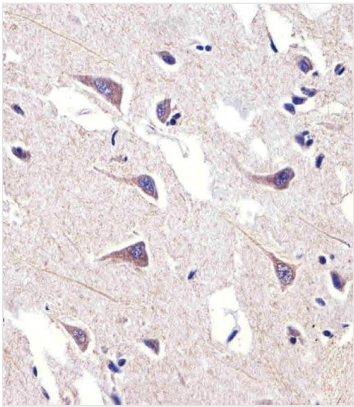
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Xenopus)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This FADS2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 96-122 amino acids from the Central region of human FADS2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	96-122
Sequence Length	413
Applicable Applications for anti-FADS2 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA, FCM/FACS (Flow Cytometry)
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
FADS2 Antibody (Center) flow cytometric analysis of CEM cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
FADS2 Antibody (Center) western blot analysis in CEM cell line lysates (35ug/lane).This demonstrates the FADS2 antibody detected the FADS2 protein (arrow).



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded H.brain section using FADS2 Antibody (Center). AAA290230 was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.

ADDITIONAL INFORMATION

Related Product Information for anti-FADS2 antibody	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-FADS2 antibody	Crown Antibodies; Cardiovascular; Metabolism; Signal Transduction

References	Molto-Puigmarti, C., et al. Am. J. Clin. Nutr. (2010) In press : Lattka, E., et al. Curr. Opin. Lipidol. 21(1):64-69(2010) Lattka, E., et al. J. Lipid Res. 51(1):182-191(2010) Glaser, C., et al. Metab. Clin. Exp. (2009) In press : Lattka, E., et al. J Nutrigenet Nutrigenomics 2(3):119-128(2009) Tang, C., et al. J. Lipid Res. 44(4):686-695(2003) Nara, T.Y., et al. Biochem. Biophys. Res. Commun. 296(1):111-117(2002) Marquardt, A., et al. Genomics 66(2):175-183(2000) Cho, H.P., et al. J. Biol. Chem. 274(1):471-477(1999) Stohr, H., et al. Genome Res. 8(1):48-56(1998)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	527498295
NCBI GeneID	9415
NCBI Accession #	NP_001268430.1; NP_001268431.1; NP_004256.1
NCBI GenBank Nucleotide #	NM_001281501.1
UniProt Accession #	O95864; Q6MZQ7; Q96H07; Q96SV8; Q9H3G3; Q9Y3X4; A8K2M6; B7Z634
Molecular Weight	52259
NCBI Official Full Name	fatty acid desaturase 2 isoform 2
NCBI Official Synonym Full Names	fatty acid desaturase 2
NCBI Official Symbol	FADS2
NCBI Official Synonym Symbols	D6D; DES6; TU13; FADSD6; LLCDL2; SLL0262
NCBI Protein Information	fatty acid desaturase 2
UniProt Protein Name	Fatty acid desaturase 2
UniProt Gene Name	FADS2
UniProt Synonym Gene Names	D6D; Delta(6) desaturase; Delta-6 desaturase
UniProt Entry Name	FADS2_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/fads2-antibody-immunohistochemistry-western-blot-flow-cytometry-elisa/290230>