



Datasheet for ABIN952158
anti-FADS2 antibody (N-Term)



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2 Images

Overview

Quantity:	200 µL
Target:	FADS2
Binding Specificity:	AA 78-108, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FADS2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 78-108 amino acids from the N-terminal region of Human FADS2
Isotype:	Ig Fraction
Specificity:	This antibody recognizes FADS2 (N-term).
Cross-Reactivity (Details):	Species reactivity (tested):Human.
Purification:	Protein A Chromatography followed by peptide affinity purification

Target Details

Target:	FADS2
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Target Details

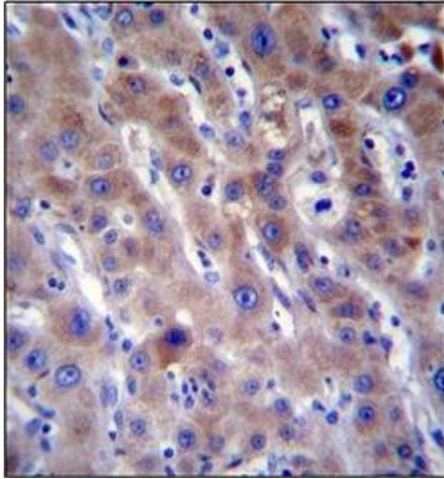
Alternative Name:	FADS2 (FADS2 Products)
Background:	<p>The protein encoded by this gene is a member of the fatty acid desaturase (FADS) gene family. Desaturase enzymes regulate unsaturation of fatty acids through the introduction of double bonds between defined carbons of the fatty acyl chain. FADS 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. Synonyms: D6D, Delta 6 desaturase, Delta(6) fatty acid desaturase, Fatty acid desaturase 2</p>
Gene ID:	9415
NCBI Accession:	NP_004256

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

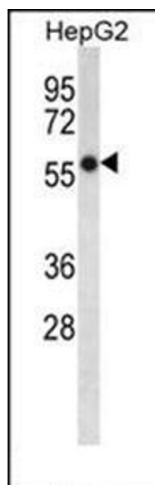
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS, 0.09 % Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry analysis in Formalin Fixed, Paraffin Embedded Human liver tissue stained with FADS2 Antibody (N-term) followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of FADS2 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 2. Western blot analysis in HepG2 cell line lysates (35ug/lane) using FADS2 Antibody (N-term) Cat.-No AP51507PU-N. This demonstrates the FADS2 antibody detected the FADS2 protein (arrow).