Datasheet for ABIN2775387

anti-FADS1 antibody (C-Term)

3 Images

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Overview

Quantity:	100 µL
Target:	FADS1
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Dog, Pig, Cow, Horse, Rabbit, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FADS1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human FADS1
Sequence:	FNDWFSGHLN FQIEHHLFPT MPRHNYHKVA PLVQSLCAKH GIEYQSKPLL
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against FADS1. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

Target Details

Target:	FADS1

Target Details

Alternative Name:	FADS1 (FADS1 Products)
Background:	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. Alias Symbols: BC269730_2, D5D, FADS6, FADSD5, FLJ90273, LLCDL1, TU12 Protein Interaction Partner: UBC, XRN1, PAAF1, DHCR7, Protein Size: 444
Molecular Weight:	49 kDa
Gene ID:	3992
NCBI Accession:	NM_013402, NP_037534
UniProt:	O60427
Pathways:	Regulation of Lipid Metabolism by PPARalpha

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 444 AA
Restrictions:	For Research Use only

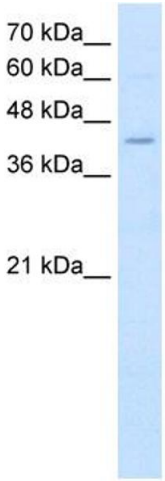
Handling

Format:	Liquid
Concentration:	Lot specific

Handling

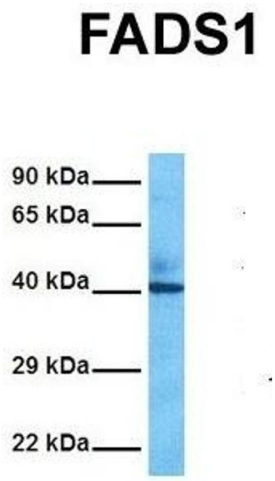
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



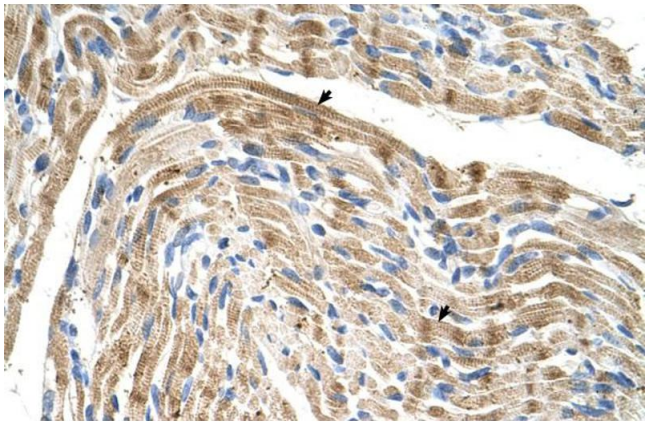
Western Blotting

Image 1. 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



Western Blotting

Image 2. Host: Rabbit Target Name: FADS1 Sample Tissue: Human Fetal Liver Antibody Dilution: 1.0ug/ml



Immunohistochemistry

Image 3. Human Muscle

