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Datasheet for ABIN7267156
anti-FADS1 antibody (AA 100-200)

1 Image

Overview

Quantity:	100 µL
Target:	FADS1
Binding Specificity:	AA 100-200
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FADS1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	FADS1 Rabbit pAb
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 100-200 of human FADS1 (NP_037534.3).
Sequence:	YNISEFTRRH PGGSRVISHY AGQDATDPFV AFHINKGLVK KYMNSLLIGE LSPEQPSFEP TKNKELTDEF RELRATVERM GLMKANHVFF LLYLLHILL D
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

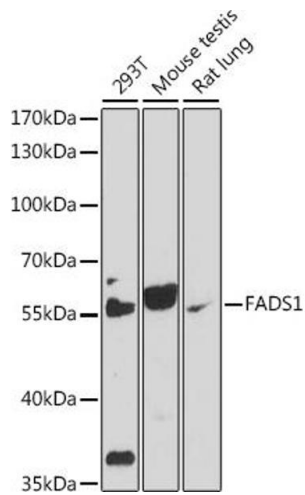
Target:	FADS1
Alternative Name:	FADS1 (FADS1 Products)
Background:	<p>The protein encoded by this gene is a member of the fatty acid desaturase (FADS) gene family. Desaturase enzymes regulate unsaturation of fatty acids through the introduction of double bonds between defined carbons of the fatty acyl 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.,FADS1,D5D,FADS6,FADSD5,LLCDL1,TU12,Cancer,Signal Transduction,Endocrine & Metabolism,Lipid Metabolism,Cardiovascular,Lipids,Fatty Acids,FADS1</p>
Molecular Weight:	42kDa/51kDa
Gene ID:	3992
UniProt:	O60427
Pathways:	Regulation of Lipid Metabolism by PPARalpha

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using F antibody (ABIN7267156) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 90s.