Datasheet for ABIN6140434

anti-FADS2 antibody (AA 1-131)

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Overview

Quantity:	100 µL
Target:	FADS2
Binding Specificity:	AA 1-131
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-131 of human FADS2 (NP_004256.1).
Sequence:	MGKGGNQGEG AAEREVSVPT FSWEEIQKHN LRTDRWLVID RKVYNITKWS IQHPGGQRVI GHYAGEDATD AFRAFHPDLE FVGKFLKPLL IGELAPEEPS QDHGKNSKIT EDFRALRKTA EDMNLFKTNH V
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	FADS2

Target Details

Alternative Name:	FADS2 (FADS2 Products)
Background:	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 at 11q12-q13.1, this cluster is thought to have arisen evolutionarily from gene duplication based on its similar exon/intron organization. Alternative splicing results in multiple transcript variants encoding different isoforms.,FADS2,D6D,DES6,FADSD6,LLCDL2,SLL0262,TU13,Cancer,Signal Transduction,Endocrine & Metabolism,Lipid Metabolism,Neuroscience,Cardiovascular,Lipids,Fatty Acids,FADS2
Molecular Weight:	45 kDa/48 kDa/49 kDa/52 kDa
Gene ID:	9415
UniProt:	O95864

Application Details

Application Notes:	WB,1:1000 - 1:2000
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

Handling

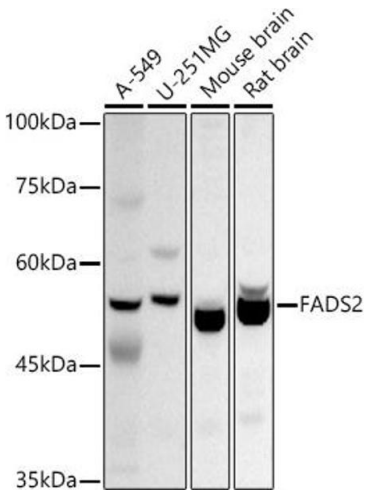
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze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

Publications

Product cited in:

Dong, Wang, Kao, Diaz, Tasset, Kaushik, Thiruthuvanathan, Zintiridou, Nieves, Dzieciatkowska, Reisz, Gavathiotis, DAlessandro, Will, Cuervo: "Chaperone-mediated autophagy sustains haematopoietic stem-cell function." in: **Nature**, Vol. 591, Issue 7848, pp. 117-123, (2021) (PubMed).

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using F antibody (ABIN6127921, ABIN6140434, ABIN6140435 and ABIN6214458) 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 Basic Kit (RM00020).Exposure time: 10s.