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Datasheet for ABIN651561
anti-FADS2 antibody (AA 96-122)

3 Images

Overview

Quantity:	400 µL
Target:	FADS2
Binding Specificity:	AA 96-122
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FADS2 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This FADS2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 96-122 amino acids of human FADS2.
Clone:	RB26161
Isotype:	IgG
Predicted Reactivity:	B, X
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	FADS2
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Target Details

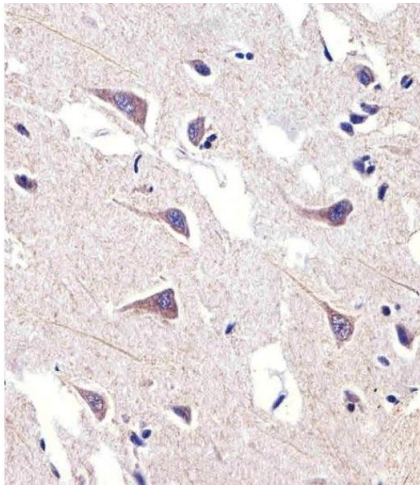
Alternative Name:	FADS2 (FADS2 Products)
Background:	The protein encoded by this gene is a member of the fatty acid desaturase (FADS) gene family. Desaturase enzymes regulate unsaturation of fatty acids through the introduction of double bonds between defined carbons of the fatty acyl chain. FADS family 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 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.
Molecular Weight:	52259
Gene ID:	9415
NCBI Accession:	NP_001268430 , NP_001268431 , NP_004256
UniProt:	O95864

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:25. FC: 1:10~50
Restrictions:	For Research Use only

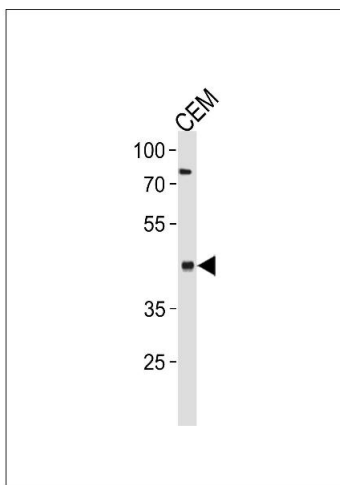
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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.
Storage:	4 °C, -20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



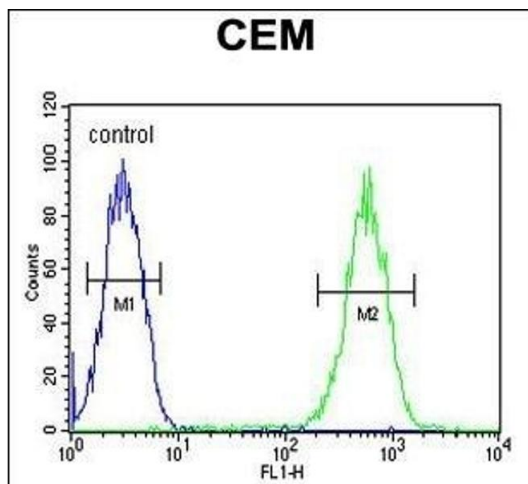
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemical analysis of paraffin-embedded H.brain section using FADS2 Antibody (Center) (ABIN651561 and ABIN2840302). (ABIN651561 and ABIN2840302) 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.



Western Blotting

Image 2. FADS2 Antibody (Center) (ABIN651561 and ABIN2840302) western blot analysis in CEM cell line lysates (35 µg/lane). This demonstrates the FADS2 antibody detected the FADS2 protein (arrow).



Flow Cytometry

Image 3. FADS2 Antibody (Center) (ABIN651561 and ABIN2840302) flow cytometric analysis of CEM cells (right histogram) compared to a negative control (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.