

Anti-FADS2 Antibody (Center)

Catalog Number: A01220-1

About FADS2

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.

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Overview

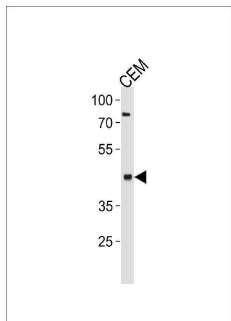
Product Name	Anti-FADS2 Antibody (Center)
Reactive Species	Human
Description	Boster Bio Anti-FADS2 Antibody (Center) (Catalog # A01220-1). Tested in IHC-P, WB, Flow Cytometry application(s). This antibody reacts with Human.
Application	Flow Cytometry, IHC-P, WB
Clonality	Polyclonal
Formulation	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Rabbit
Uniprot ID	O95864

Technical Details

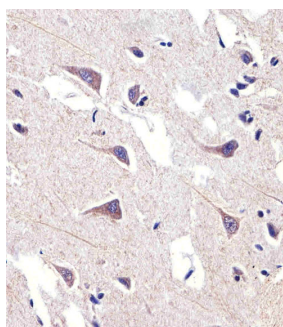
Immunogen	This FADS2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 96-122 amino acids of human FADS2.
Predicted Reactive Species	Bovine, Xenopus
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western

	blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Cross Reactivity	No cross reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Suggested Dilutions	WB: 1:1000 IHC-P: 1:25 FC: 1:10-1:50

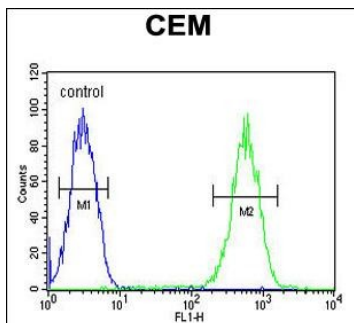
Anti-FADS2 Antibody (Center) (A01220-1) Images



FADS2 Antibody (Center) western blot analysis in CEM cell line lysates (35ug/lane). This demonstrates the FADS2 antibody detected the FADS2 protein (arrow).



Immunohistochemical analysis of paraffin-embedded H. brain section using FADS2 Antibody (Center). A01220-1 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.



FADS2 Antibody (Center) 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.

Anti-FADS2 Antibody (Center)

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