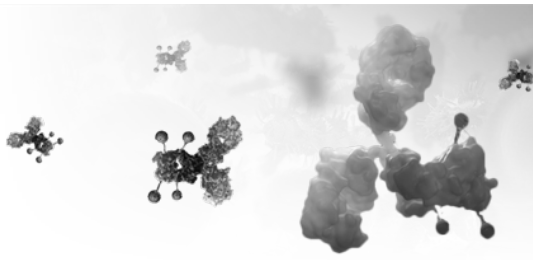

Anti-FADS3 (aa 16-113) polyclonal antibody (DPAB-DC1857)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	FADS3 (NP_068373, 16 a.a. ~ 113 a.a) partial recombinant protein with GST tag. The sequence is PGAPLPTFCWEQIRAHDQPGDKWLVIERRVYDISRWAQRHPGGSRLIGHHGAEDATDAFR AFHQDLNFVRKFLQPLLIGELAPEEPSQDGPLNAQLVE
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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GENE INFORMATION

Gene Name	FADS3 fatty acid desaturase 3 [Homo sapiens (human)]
Official Symbol	FADS3
Synonyms	FADS3; fatty acid desaturase 3; CYB5RP; LLCDL3; delta-9-desaturase; cytochrome b5-related protein; delta-9 fatty acid desaturase; linoleoyl-CoA desaturase (delta-9-desaturase)-like 3;
Entrez Gene ID	3995
Protein Refseq	NP_068373
UniProt ID	A0A024R564
Chromosome Location	11q12-q13.1
Pathway	Fatty acid, triacylglycerol, and ketone body metabolism; Metabolism; PPARA activates gene expression; alpha-linolenic (omega3) and linoleic (omega6) acid metabolism
Function	heme binding; iron ion binding; molecular_function; oxidoreductase activity, acting on paired donors, with oxidation of a pair of donors resulting in the reduction of molecular oxygen to two molecules of water

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