

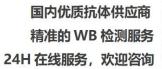


FADS1 mouse mAb

Mitochondrion .; [Isoform 2]: Endoplasmic reticulum membrane ; Multi-pass membrane protein . Widely expressed, with highest levels in liver, brain, adrenal gland and heart. Highly expressed in fetal liver and brain. [Isoform 1]: Acts as a front-end fatty acyl-coenzyme A (CoA) desaturase that introduces a cis double bond at carbon 5 located between a preexisting doub bond and the carboxyl end of the fatty acyl chain. Involved in biosynthesis of highly unsaturated fatty acids (HUFA) from the essential polyunsaturated fatty acids (PUFA) linoleic acid (LA) (18:2n-6) and alpha-linolenic acid (ALA) (18:3 precursors. Specifically, desaturates dihomo-gamma-linoleoate (DGLA) (20:3 and eicosatetraenoate (ETA) (20:4n-3) to generate arachidonate (AA) (20:4n-and eicosapentaenoate (EPA) (20:5n-3), respectively . As a rate limiting enzy for DGLA (20:3n-6) and AA (20:4n-6)-derived eicosanoid biosynthesis, control		
Reactivity Human;Mouse;Rat Applications WB Gene Name FADS1 FADSD5 Protein Name Fatty acid desaturase 1 (EC 1.14.19) (Delta(5) fatty acid desaturase) (D5D) (Delta(5) desaturase) (Delta-5 desaturase) Immunogen Synthesized peptide derived from human FADS1 Specificity This antibody detects endogenous levels of FADS1 at Human, Mouse,Rat Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Source Monoclonal, Mouse,IgG Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB 1:500-2000 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms Observed Band 49kD Cell Pathway [Isoform 1]: Endoplasmic reticulum membrane; Multi-pass membrane protein Mitochondrion .; Isoform 2]: Endoplasmic reticulum membrane; Multi-pass membrane protein Highly expressed, with highest levels in liver, brain, adrenal gland and heart. Highly expressed in fetal liver and brain. Function [Isoform 1]: Acts as a front-end fatty acyl-coenzyme A (CoA) desaturase that introduces a cis double bond at carbon 5 located between a preexisting doub bond and the carboxyl end of the fatty acyl-cin. Involved in biosynthesis of highly unsaturated fatty acids (PUFA) from the essential polyunsaturated fatty acids (PUFA) invole acid (LA) (18:3 and eicosatetraenoate (EFA) (20:4-3) to generate arachidonate (AA) (20:4 and eicosapentaenoate (EFA) (20:5n-3), respectively. As a rate limiting enzy for DGLA (20:3n-6) and AA (20:4-1-6) derived eicosanoid biocasanoid biocasanoi	Catalog No	BYmab-18099
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	Function	introduces a cis double bond at carbon 5 located between a preexisting double

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	acute inflammatory response and maintenance of epithelium homeostasis. Contributes to membrane phospholi
Background	
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

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