abcam

Product datasheet

Anti-FADS1 antibody [EPR6898] ab126706

יעלאעבע RabMAb

17 References 画像数6

製品の概要

製品名 Anti-FADS1 antibody [EPR6898]

製品の詳細 Rabbit monoclonal [EPR6898] to FADS1

由来種 Rabbit

アプリケーション 適用あり: Flow Cyt (Intra), WB, IHC-P, ICC/IF

種交差性 交差種: Human

交差が予測される動物種: Mouse, Rat 🔷

Synthetic peptide within Human FADS1 aa 100-200. The exact sequence is proprietary. 免疫原

ポジティブ・コントロール HepG2, Human fetal lung, fetal liver and fetal brain lysates; Human heart tissue; A549 cells.

特記事項 This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility

- Improved sensitivity and specificity

- Long-term security of supply

- Animal-free production

For more information see here.

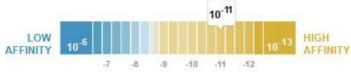
Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb**® **patents**.

製品の特性

製品の状態 Liquid

保存方法 Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.

 $K_D = 7.20 \times 10^{-11} M$ 解離定数(KD値)



Learn more about K_D

バッファー pH: 7.20

Preservative: 0.01% Sodium azide

Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture

supernatant

精製度 Protein A purified

ポリモノ モノクローナル **クローン名** EPR6898

アイソタイプ lgG

アプリケーション

The Abpromise guarantee <u>Abpromise保証は、</u>次のテスト済みアプリケーションにおけるab126706の使用に適用されます アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

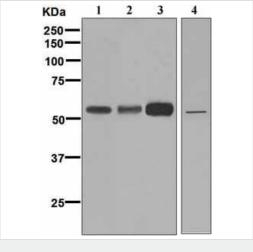
アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		1/100 - 1/1000. ab172730 - Rabbit monoclonal lgG, is suitable for use as an isotype control with this antibody.
WB		1/1000 - 1/10000. Detects a band of approximately 52 kDa (predicted molecular weight: 52 kDa).
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		1/100 - 1/250.

追加情報 Is unsuitable for IP.

ターゲット情報

機能	Component of a lipid metabolic pathway that catalyzes biosynthesis of highly unsaturated fatty acids (HUFA) from precursor essential polyunsaturated fatty acids (PUFA) linoleic acid (LA) (18:2n-6) and alpha-linolenic acid (ALA) (18:3n-3). Catalyzes the desaturation of dihomo-gamma-linoleic acid (DHGLA) (20:3n-6) and eicosatetraenoic acid (20:4n-3) to generate arachidonic acid (AA) (20:4n-6) and eicosapentaenoic acid (EPA)(20:5n-3) respectively.
組織特異性	Expressed in many tissues, it is most abundant in the liver, brain, adrenal gland and heart. Found as well in skeletal muscle, lung, placenta, kidney, pancreas and retina.
パスウェイ	Lipid metabolism; polyunsaturated fatty acid biosynthesis.
配列類似性	Belongs to the fatty acid desaturase family. Contains 1 cytochrome b5 heme-binding domain.
発生段階	Highly expressed in fetal liver and fetal brain.
ドメイン	The histidine box domains may contain the active site and/or be involved in metal ion binding.
細胞内局在	Endoplasmic reticulum membrane.

画像



Western blot - Anti-FADS1 antibody [EPR6898] (ab126706)

All lanes : Anti-FADS1 antibody [EPR6898] (ab126706) at 1/1000 dilution

Lane 1: Human fetal lung lysate

Lane 2: Human fetal liver lysate

Lane 3: Human fetal brain lysate

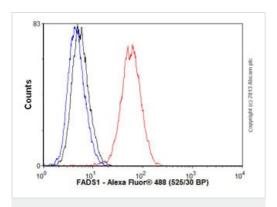
Lane 4: HepG2 lysate

Lysates/proteins at 10 µg per lane.

Secondary

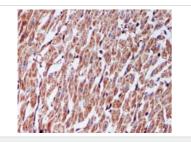
All lanes: Goat anti-Rabbit HRP at 1/2000 dilution

Predicted band size: 52 kDa



Flow Cytometry (Intracellular) - Anti-FADS1 antibody [EPR6898] (ab126706)

Overlay histogram showing HepG2 cells stained with ab126706 (red line). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab126706, 1/1000 dilution) for 30 min at 22°C. The secondary antibody used was Alexa Fluor[®] 488 goat anti-rabbit IgG (H&L) (ab150077) at 1/2000 dilution for 30 min at 22°C. Isotype control antibody (black line) was rabbit IgG (monoclonal) (0.1µg/1x10⁶ cells) used under the same conditions. Unlabelled sample (blue line) was also used as a control. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter. This antibody gave a positive signal in HepG2 cells fixed with 80% methanol (5 min)/permeabilized with 0.1% PBS-Tween for 20 min used under the same conditions.

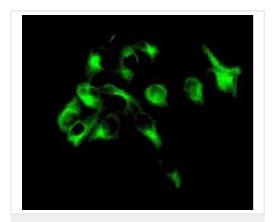


Immunohistochemistry (Formalin/PFA-fixed paraffinembedded sections) - Anti-FADS1 antibody

[EPR6898] (ab126706)

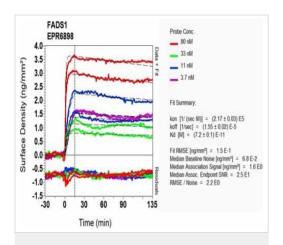
ab126706, at 1/100 dilution, staining FADS1 in Paraffin-embedded Human heart tissue by Immunohistochemistry.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-FADS1 antibody [EPR6898] (ab126706)

ab126706, at 1/100 dilution, staining FADS1 in A549 cells by Immunofluorescence.



Ol-RD Scanning - Anti-FADS1 antibody [EPR6898] (ab126706)

Equilibrium disassociation constant (K_D) Learn more about K_D

Click here to learn more about K_D



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