

Anti-FABP4 antibody [9B8D] ab93945

3 References **2 图像**

概述

产品名称	Anti-FABP4抗体[9B8D]
描述	小鼠单克隆抗体[9B8D] to FABP4
宿主	Mouse
经测试应用	适用于: WB, Flow Cyt
种属反应性	与反应: Human
免疫原	Purified recombinant fragment of Human FABP4 expressed in <i>E. coli</i> .
阳性对照	FABP4-hlgFc transfected HEK293 cell lysate
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: 0.05% Sodium azide Constituent: PBS
纯度	Protein G purified
纯化说明	Purified from tissue culture supernatant.
克隆	单克隆
克隆编号	9B8D
同种型	IgG1

应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/500 - 1/2000. Predicted molecular weight: 15 kDa.
Flow Cyt		1/100. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

靶标

功能

Lipid transport protein in adipocytes. Binds both long chain fatty acids and retinoic acid. Delivers long-chain fatty acids and retinoic acid to their cognate receptors in the nucleus.

序列相似性

Belongs to the calycin superfamily. Fatty-acid binding protein (FABP) family.

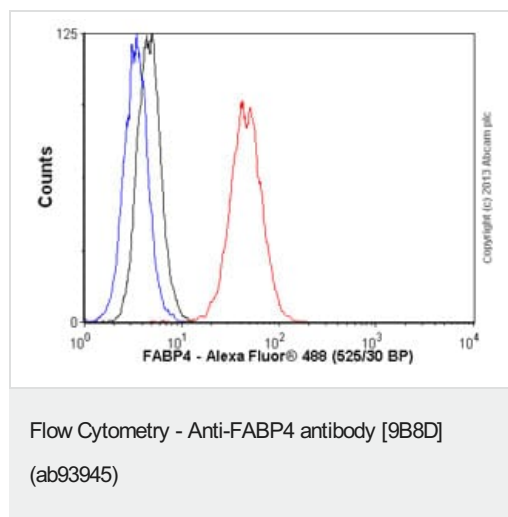
结构域

Forms a beta-barrel structure that accommodates hydrophobic ligands in its interior.

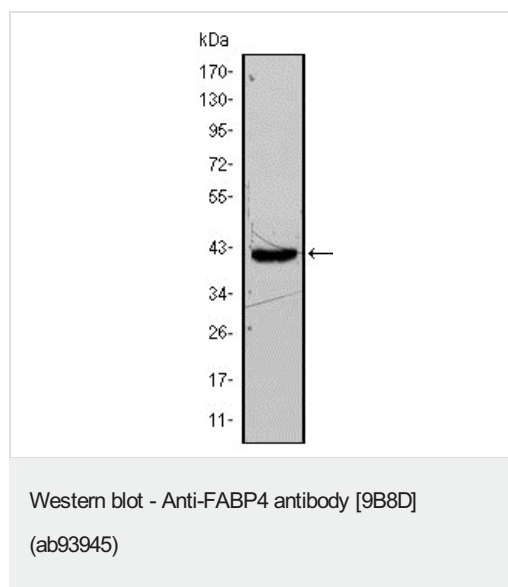
细胞定位

Cytoplasm. Nucleus. Depending on the nature of the ligand, a conformation change exposes a nuclear localization motif and the protein is transported into the nucleus. Subject to constitutive nuclear export.

图片



Overlay histogram showing THP1 cells stained with ab93945 (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 (ab93945, 1/100 dilution) for 30 min at 22°C. The secondary antibody used was Alexa Fluor® 488 goat anti-mouse IgG (H&L) (**ab150113**) at 1/2000 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] (**ab91353**, 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 THP1 cells fixed with 80% methanol (5 min)/permeabilized with 0.1% PBS-Tween for 20 min used under the same conditions.



Anti-FABP4 antibody [9B8D] (ab93945) at 1/500 dilution + FABP4-hlgGFc transfected HEK293 cell lysate

Predicted band size: 15 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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