


Anti-ADIPOR1 antibody ab70362

★★★★★ 9 Abreviews 16 References 画像数 4

製品の概要

製品名	Anti-ADIPOR1 antibody
製品の詳細	Rabbit polyclonal to ADIPOR1
由来種	Rabbit
特異性	From Jan 2024, QC testing of replenishment batches of this polyclonal changed. All tested and expected application and reactive species combinations are still covered by our Abcam product promise. However, we no longer test all applications. For more information on a specific batch, please contact our Scientific Support who will be happy to help.
アプリケーション	適用あり: ICC/IF, WB
種交差性	交差種: Mouse, Rat, Human 交差が予測される動物種: Chicken, Cow, Pig, Zebrafish 
免疫原	Synthetic peptide corresponding to Human ADIPOR1 aa 350 to the C-terminus (C terminal) conjugated to keyhole limpet haemocyanin.
ポジティブ・コントロール	ICC/IF: HepG2 cells treated with sodium 4-phenylbutyrate. HepG2 cells treated with valproic acid, sodium salt. HeLa and HepG2 cells. WB: Rat, mouse and human skeletal muscle tissue lysate.
特記事項	<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>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS

Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.

精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

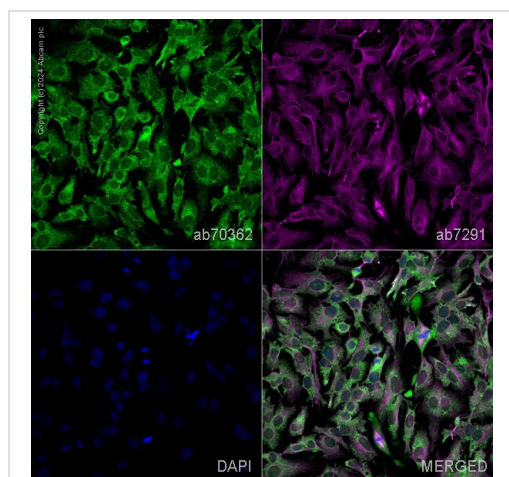
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab70362の使用に適用されます**
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
ICC/IF	★★★★★ (2)	Use a concentration of 5 µg/ml.
WB	★★★★☆ (3)	Use a concentration of 1 µg/ml. Detects a band of approximately 43 kDa (predicted molecular weight: 43 kDa).

ターゲット情報

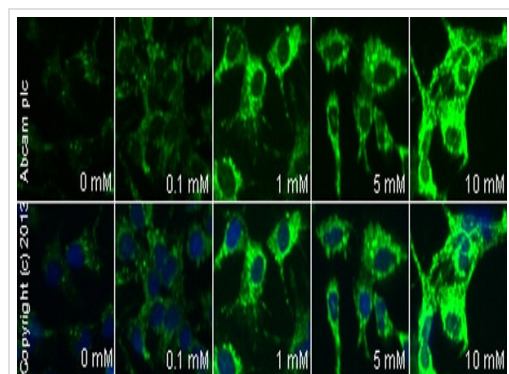
機能	Receptor for globular and full-length adiponectin (APM1), an essential hormone secreted by adipocytes that acts as an antidiabetic. Probably involved in metabolic pathways that regulate lipid metabolism such as fatty acid oxidation. Mediates increased AMPK, PPARG ligand activity, fatty acid oxidation and glucose uptake by adiponectin. Has some high-affinity receptor for globular adiponectin but low-affinity receptor for full-length adiponectin.
組織特異性	Widely expressed. Highly expressed in skeletal muscle. Expressed at intermediate level in brain, heart, spleen, kidney, liver, placenta, lung and peripheral blood leukocytes. Weakly expressed in colon, thymus and small intestine.
配列類似性	Belongs to the ADIPOR family.
ドメイン	The N-terminus is known to be cytoplasmic while the C-terminus is known to be extracellular.
細胞内局在	Membrane. Localized to the cell membrane and intracellular organelles.

画像



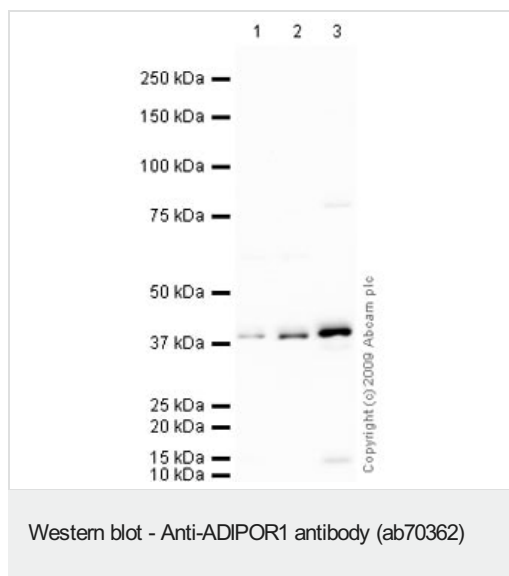
Immunocytochemistry/ Immunofluorescence - Anti-ADIPOR1 antibody (ab70362)

ab70362 staining ADIPOR1 in HepG2 cells. The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.1% PBS-Tween for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1%PBS-Tween for 1h. The cells were then incubated overnight at 4°C with ab70362 at 5µg/ml and **ab7291**, Mouse monoclonal [DM1A] to alpha Tubulin - Loading Control. Cells were then incubated with **ab150081**, Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (Alexa Fluor® 488), pre-adsorbed at 1/1000 dilution (shown in green) and **ab150120**, Goat polyclonal Secondary Antibody to Mouse IgG - H&L (Alexa Fluor® 594), pre-adsorbed at 1/1000 dilution (shown in pseudocolour magenta). Nuclear DNA was labelled with DAPI (shown in blue). Image was acquired with a high-content analyser (Operetta CLS, Perkin Elmer) and a maximum intensity projection of confocal sections is shown.



Immunocytochemistry/ Immunofluorescence - Anti-ADIPOR1 antibody (ab70362)

ab70362 staining ADIPOR1 in HepG2 cells treated with sodium 4-phenylbutyrate (**ab141253**), by ICC/IF. Increase of aADIPOR1 expression correlates with increased concentration of sodium 4-phenylbutyrate, as described in literature. The cells were incubated at 37°C for 6 hours in media containing different concentrations of **ab141253** (sodium 4-phenylbutyrate) in DMSO, fixed with 4% formaldehyde for 10 minutes at room temperature and blocked with PBS containing 10% goat serum, 0.3 M glycine, 1% BSA and 0.1% tween for 2h at room temperature. Staining of the treated cells with ab70362 (5 µg/ml) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 anti-rabbit polyclonal antibody (**ab96899**) at 1/250 dilution was used as the secondary antibody. Nuclei were counterstained with DAPI and are shown in blue.



All lanes : Anti-ADIPOR1 antibody (ab70362) at 1 µg/ml

Lane 1 : Skeletal Muscle (Rat) Tissue Lysate

Lane 2 : Human skeletal muscle tissue lysate - total protein
([ab29330](#))

Lane 3 : Skeletal Muscle (Mouse) Tissue Lysate

Lysates/proteins at 10 µg per lane.

Secondary

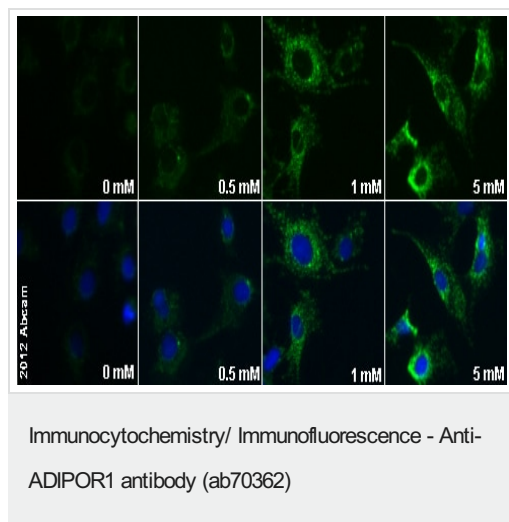
All lanes : Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed
(HRP) at 1/3000 dilution

Performed under reducing conditions.

Predicted band size: 43 kDa

Observed band size: 43 kDa

Exposure time: 90 seconds



ab70362 staining ADIPOR1 in HepG2 cells treated with valproic acid, sodium salt ([ab120745](#)), by ICC/IF. Increased cytoplasmic staining of ADIPOR1 correlates with increased concentration of valproic acid, as described in literature.

The cells were incubated at 37°C for 24h in media containing different concentrations of [ab120745](#) (valproic acid) in DMSO, fixed with 4% formaldehyde for 10 minutes at room temperature and blocked with PBS containing 10% goat serum, 0.3 M glycine, 1% BSA and 0.1% tween for 2h at room temperature. Staining of the treated cells with ab70362 (5 µg/ml) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 goat anti-rabbit polyclonal antibody ([ab96899](#)) at 1/250 dilution was used as the secondary antibody. Nuclei were counterstained with DAPI and are shown in blue.

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