


## Product datasheet

# Anti-ADIPOR1 antibody [mAbcam50675] ab50675

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### Overview

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<b>Product name</b>	Anti-ADIPOR1 antibody [mAbcam50675]
<b>Description</b>	Mouse monoclonal [mAbcam50675] to ADIPOR1
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat, Chicken, Zebrafish 
<b>Immunogen</b>	Synthetic peptide corresponding to Human ADIPOR1 aa 350 to the C-terminus (C terminal) conjugated to keyhole limpet haemocyanin. (Peptide available as <a href="#">ab59184</a> )
<b>Positive control</b>	This antibody gave a positive signal in Human Skeletal Muscle Lysate.
<b>General notes</b>	<p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact <a href="mailto:orders@abcam.com">orders@abcam.com</a>.</p> <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&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: 1% BSA
<b>Purity</b>	Concentrated Culture Supernatant
<b>Purification notes</b>	Tissue culture supernatant was concentrated and then buffer exchanged.

<b>Clonality</b>	Monoclonal
<b>Clone number</b>	mAbcam50675
<b>Myeloma</b>	Sp2/0-Ag14
<b>Isotype</b>	IgM

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab50675 in the following tested applications.

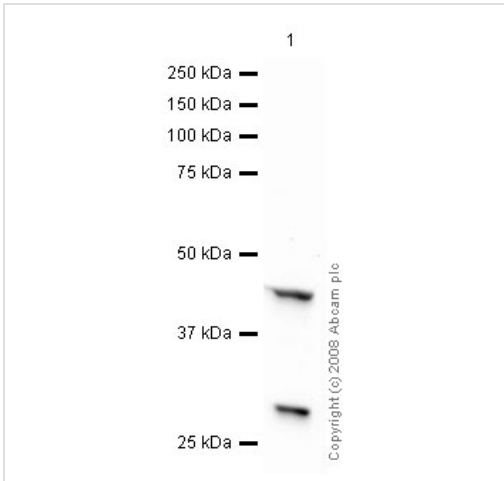
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
<b>WB</b>		Use a concentration of 10 µg/ml. Detects a band of approximately 42 kDa (predicted molecular weight: 42 kDa).

## Target

<b>Function</b>	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, PPARA 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.
<b>Tissue specificity</b>	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.
<b>Sequence similarities</b>	Belongs to the ADIPOR family.
<b>Domain</b>	The N-terminus is known to be cytoplasmic while the C-terminus is known to be extracellular.
<b>Cellular localization</b>	Membrane. Localized to the cell membrane and intracellular organelles.

## Images



Western blot - Anti-ADIPOR1 antibody  
[mAbcam50675] (ab50675)

Anti-ADIPOR1 antibody [mAbcam50675] (ab50675) at 10 µg/ml +  
Human skeletal muscle tissue lysate - total protein (**ab29330**) at 20  
µg

**Secondary**

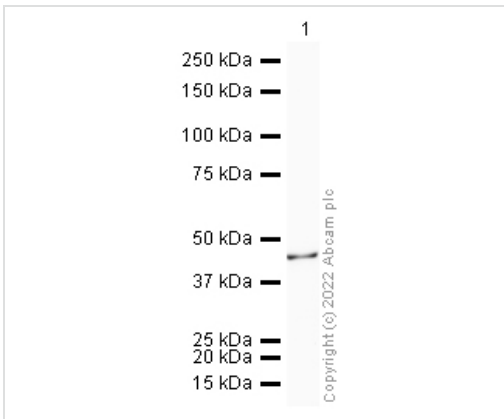
Goat polyclonal to Mouse IgG - H&L - Pre-Adsorbed (HRP) at  
1/3000 dilution

Performed under reducing conditions.

**Predicted band size:** 42 kDa

**Observed band size:** 42 kDa

**Additional bands at:** 28 kDa. We are unsure as to the identity of  
these extra bands.



Western blot - Anti-ADIPOR1 antibody  
[mAbcam50675] (ab50675)

Anti-ADIPOR1 antibody [mAbcam50675] (ab50675) at 10 µg/ml +  
Human Skeletal Muscle tissue lysate at 20 µg

**Secondary**

Goat polyclonal to Mouse IgG - H&L at 1/5000 dilution

**Predicted band size:** 42 kDa

**Observed band size:** 42 kDa

**Exposure time:** 12 minutes

**Blocking buffer:** 3% Milk

**Gel type:** MOPS

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

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