


Product datasheet

# Anti-Adiponectin Receptor 2/ADIPOR2 antibody ab53399

1 References 2 Images

Overview

<b>Product name</b>	Anti-Adiponectin Receptor 2/ADIPOR2 antibody
<b>Description</b>	Goat polyclonal to Adiponectin Receptor 2/ADIPOR2
<b>Host species</b>	Goat
<b>Tested applications</b>	<b>Suitable for:</b> WB, ICC, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Rat 
<b>Immunogen</b>	Synthetic peptide corresponding to Human Adiponectin Receptor 2/ADIPOR2 aa 11-40 (N terminal). Sequence: CSRTPEPDIRLRKGHQLDGTRRGDNDSHQG <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
<b>Positive control</b>	Human liver; human muscle;
<b>General notes</b>	This product was previously labelled as Adiponectin Receptor 2

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.1% Sodium azide Constituents: 0.812% Sodium chloride, 0.1% BSA, 0.21% Potassium phosphate
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab53399** in the following tested applications.

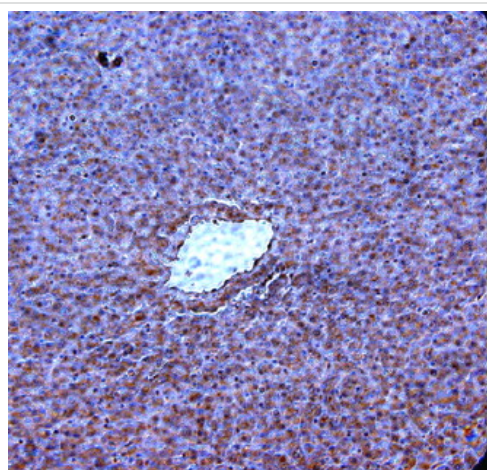
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000. Predicted molecular weight: 44 kDa.
ICC		1/400.
IHC-P		Use at an assay dependent dilution.

## Target

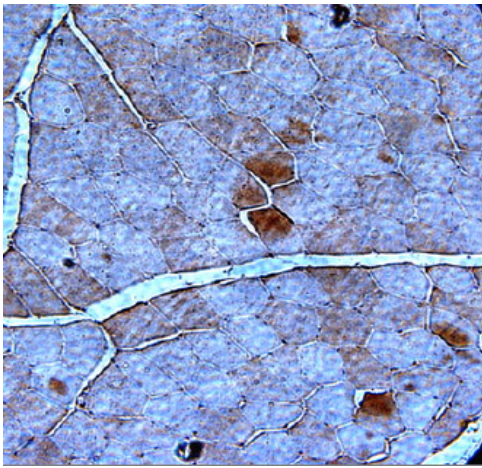
<b>Function</b>	Receptor for globular and full-length adiponectin (APM1), an essential hormone secreted by adipocytes that acts as an antidiabetic. Probably involved in metabolic pathways that regulate lipid metabolism such as fatty acid oxidation. Mediates increased AMPK, PPARA ligand activity, fatty acid oxidation and glucose uptake by adiponectin. Has some intermediate-affinity receptor activity for both globular and full-length adiponectin.
<b>Tissue specificity</b>	Highly expressed in skeletal muscle, liver and placenta. Weakly expressed in brain, heart, colon, spleen, kidney, thymus, small intestine, peripheral blood leukocytes and lung.
<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



IH paraffin section human liver with ab53399 at a dilution of 1/250.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Adiponectin Receptor 2/ADIPOR2 antibody (ab53399)



IH paraffin section human muscle with ab53399 at a dilution of 1/250.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Adiponectin Receptor 2/ADIPOR2 antibody (ab53399)

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

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