


Product datasheet

Anti-Adiponectin Receptor 2/ADIPOR2 antibody ab231051

[1 References](#) [8 Images](#)

Overview

Product name	Anti-Adiponectin Receptor 2/ADIPOR2 antibody
Description	Rabbit polyclonal to Adiponectin Receptor 2/ADIPOR2
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Rat Predicted to work with: Mouse 
Immunogen	Recombinant fragment (His-T7-tag) corresponding to Rat Adiponectin Receptor 2/ADIPOR2 aa 1-150. Expressed in E.coli. Database link: Q3YAF7 Run BLAST with Run BLAST with
Positive control	IHC-P: Rat liver, testis, skeletal muscle, heart, kidney and stomach tissues. WB: Rat serum; Rat uterus lysate; Recombinant rat Adiponectin Receptor 2/ADIPOR2 protein.
General notes	<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>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 44.12% PBS, 55.77% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified

Purification notes	ab231051 was purified by antigen-specific affinity chromatography followed by Protein A affinity chromatography.
Clonality	Polyclonal
Isotype	IgG

Applications

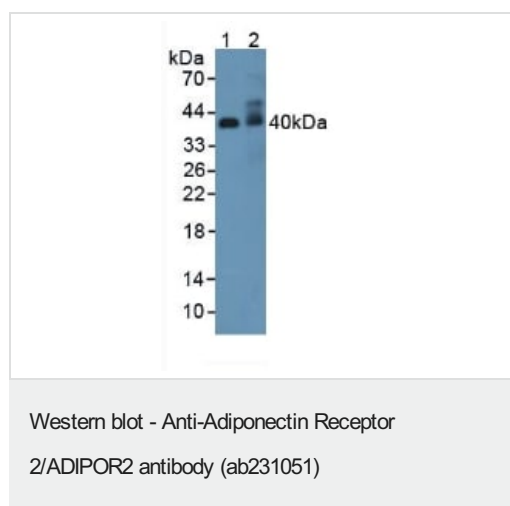
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab231051 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 5 - 20 µg/ml.
WB		Use a concentration of 0.5 - 2 µg/ml. Predicted molecular weight: 44 kDa.

Target

Function	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.
Tissue specificity	Highly expressed in skeletal muscle, liver and placenta. Weakly expressed in brain, heart, colon, spleen, kidney, thymus, small intestine, peripheral blood leukocytes and lung.
Sequence similarities	Belongs to the ADIPOR family.
Domain	The N-terminus is known to be cytoplasmic while the C-terminus is known to be extracellular.
Cellular localization	Membrane. Localized to the cell membrane and intracellular organelles.

Images



All lanes : Anti-Adiponectin Receptor 2/ADIPOR2 antibody (ab231051) at 1 µg/ml

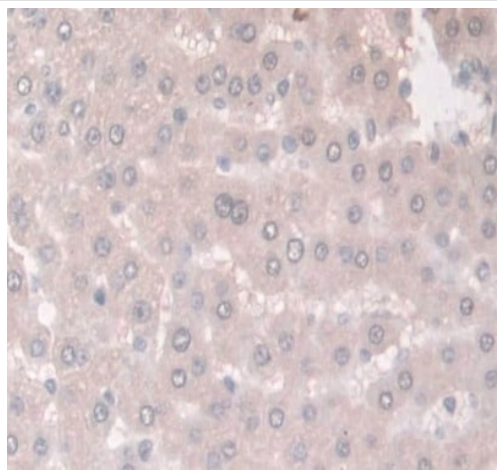
Lane 1 : Rat serum

Lane 2 : Rat uterus lysate

Secondary

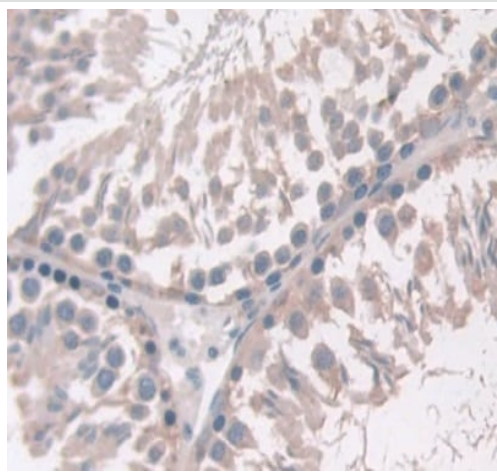
All lanes : HRP-Linked Guinea pig Anti-Rabbit antibody at 1/2000 dilution

Predicted band size: 44 kDa



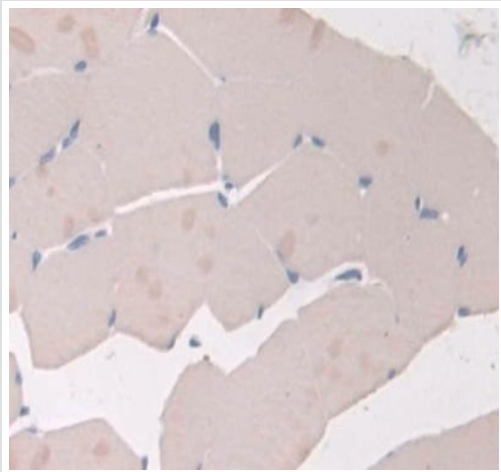
Paraffin-embedded rat liver tissue stained for Adiponectin Receptor 2/ADIPOR2 using ab231051 at 20 $\mu\text{g/ml}$ in immunohistochemical analysis, followed by DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Adiponectin Receptor 2/ADIPOR2 antibody (ab231051)



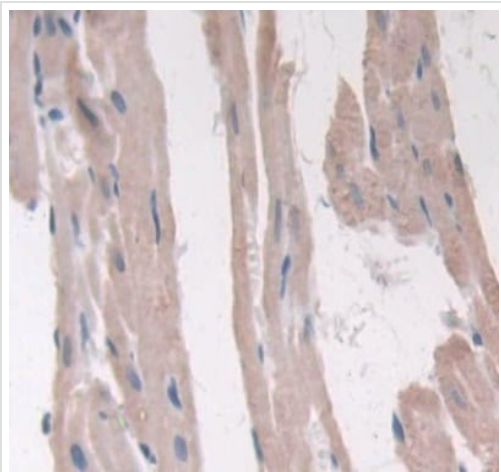
Paraffin-embedded rat testis tissue stained for Adiponectin Receptor 2/ADIPOR2 using ab231051 at 20 $\mu\text{g/ml}$ in immunohistochemical analysis, followed by DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Adiponectin Receptor 2/ADIPOR2 antibody (ab231051)



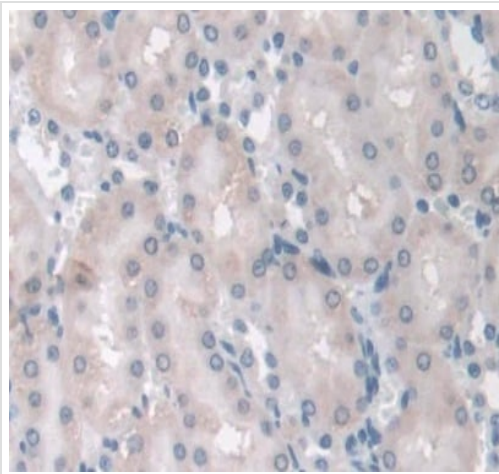
Paraffin-embedded rat skeletal muscle tissue stained for Adiponectin Receptor 2/ADIPOR2 using ab231051 at 20 µg/ml in immunohistochemical analysis, followed by DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Adiponectin Receptor 2/ADIPOR2 antibody (ab231051)



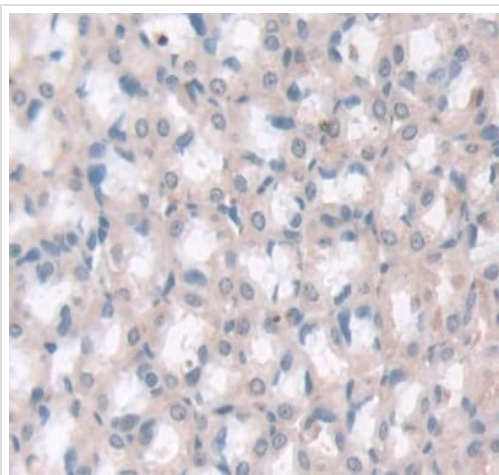
Paraffin-embedded rat heart tissue stained for Adiponectin Receptor 2/ADIPOR2 using ab231051 at 20 µg/ml in immunohistochemical analysis, followed by DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Adiponectin Receptor 2/ADIPOR2 antibody (ab231051)



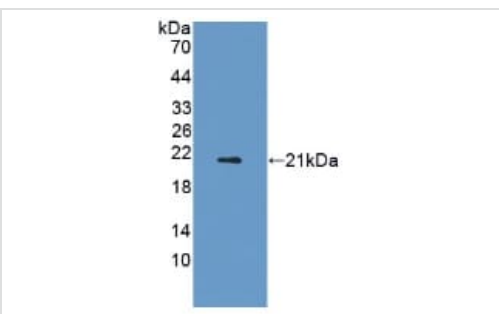
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Adiponectin Receptor 2/ADIPOR2 antibody (ab231051)

Paraffin-embedded rat kidney tissue stained for Adiponectin Receptor 2/ADIPOR2 using ab231051 at 20 µg/ml in immunohistochemical analysis, followed by DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Adiponectin Receptor 2/ADIPOR2 antibody (ab231051)

Paraffin-embedded rat stomach tissue stained for Adiponectin Receptor 2/ADIPOR2 using ab231051 at 20 µg/ml in immunohistochemical analysis, followed by DAB staining.



Western blot - Anti-Adiponectin Receptor 2/ADIPOR2 antibody (ab231051)

Anti-Adiponectin Receptor 2/ADIPOR2 antibody (ab231051) at 2 µg/ml + Recombinant rat Adiponectin Receptor 2/ADIPOR2 protein

Predicted band size: 44 kDa

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