

AdipoR1 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10728**Specification**

AdipoR1 Antibody - Product Information

Application	WB
Primary Accession	Q91VH1
Other Accession	EDL39610
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	42366

AdipoR1 Antibody - Additional Information**Gene ID** 72674

Positive Control	3T3 cell lysate
Application & Usage	Western blot analysis (1-4 µg/ml). However, the optimal conditions should be determined individually. 3T3 cell lysate can be used as a positive control.

Other Names

adiponectin receptor protein 1, progestin and adipoQ receptor family member I

Target/Specificity

AdipoR1

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

200 µg (0.5 mg/ml) affinity purified rabbit anti-AdipoR1 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

AdipoR1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

AdipoR1 Antibody - Protein Information

Name Adipor1 {ECO:0000312|MGI:MGI:1919924}

Function

Receptor for ADIPOQ, an essential hormone secreted by adipocytes that regulates glucose and lipid metabolism (PubMed:17327425, PubMed:17268472, PubMed:24742672). Required for normal glucose and fat homeostasis and for maintaining a normal body weight (PubMed:17327425, PubMed:24742672). ADIPOQ-binding activates a signaling cascade that leads to increased AMPK activity, and ultimately to increased fatty acid oxidation, increased glucose uptake and decreased gluconeogenesis (PubMed:12802337, PubMed:17327425, PubMed:17268472, PubMed:24742672). Has high affinity for globular adiponectin and low affinity for full-length adiponectin (PubMed:12802337).

Cellular Location

Cell membrane; Multi-pass membrane protein {ECO:0000250|UniProtKB:Q96A54} Note=Localized to the cell membrane and intracellular organelles {ECO:0000250|UniProtKB:Q96A54}

Tissue Location

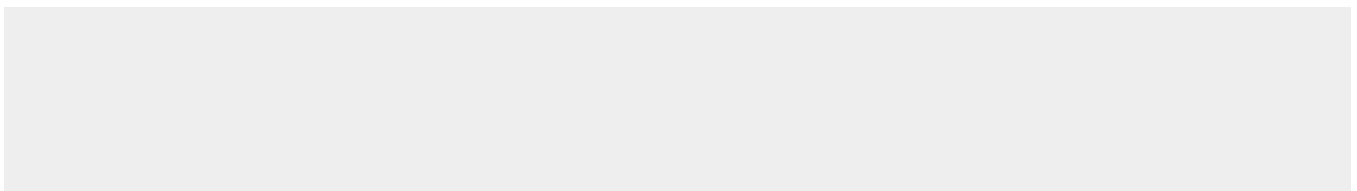
Detected in brain and quadriceps muscle (at protein level) (PubMed:17327425). Widely expressed (PubMed:12802337). Expressed in heart, kidney, liver, lung, skeletal muscle, white adipose tissue, brown adipose tissue, aorta and spleen (PubMed:12802337, PubMed:24742672). Weakly expressed in brain and testis (PubMed:12802337).

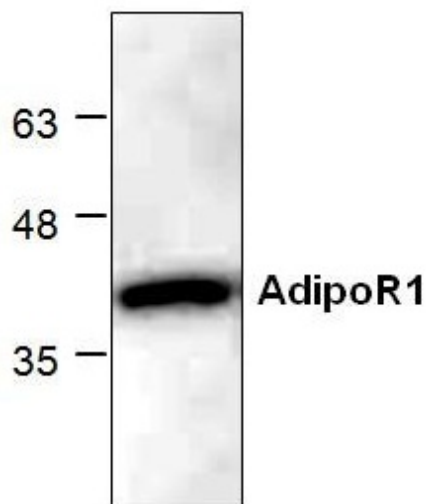
AdipoR1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

AdipoR1 Antibody - Images





Antibody. Western blot analysis of AdipoR1 with 3T3 cell lysate.

AdipoR1 Antibody - Background

The adiponectin receptors, ADIPOR1 and ADIPOR2 are receptors for globular and full-length adiponectin. These receptors mediate the increase of AMPK and PPAR- α ligand activities, as well as fatty acid oxidation and glucose uptake by adiponectin.