

AdipoR1 Blocking Peptide
Catalog # PBV10452b**Specification**

AdipoR1 Blocking Peptide - Product Information

Primary Accession	Q91VH1
Other Accession	EDL39610
Gene ID	72674
Calculated MW	42366

AdipoR1 Blocking Peptide - Additional Information**Gene ID** 72674**Application & Usage**

The peptide is used for blocking the antibody activity of AdipoR1. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30-60 minutes at 37°C.

Other Names

Adiponectin receptor protein 1, Adipor1

Target/Specificity

AdipoR1

Formulation

50 µg (0.5 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA and 0.02% thimerosal.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

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

AdipoR1 Blocking Peptide - 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:<a href="http://www.uniprot.org/citations/17268472"

target="_blank">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 Blocking Peptide - 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 Blocking Peptide - Images