

**ADIPOR1 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP8634b****Specification**

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**ADIPOR1 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [Q96A54](#)**ADIPOR1 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 51094**Other Names**

Adiponectin receptor protein 1, Progestin and adipoQ receptor family member I, ADIPOR1, PAQR1, TESBP1A

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody AP8634b was selected from the C-term region of human ADIPOR1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**ADIPOR1 Antibody (C-term) Blocking Peptide - Protein Information****Name** ADIPOR1 ([HGNC:24040](#))**Function**

Receptor for ADIPOQ, an essential hormone secreted by adipocytes that regulates glucose and lipid metabolism (PubMed: [25855295](http://www.uniprot.org/citations/25855295), PubMed: [12802337](http://www.uniprot.org/citations/12802337)). Required for normal glucose and fat homeostasis and for maintaining a normal body weight. 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. Has high affinity for globular adiponectin and low affinity for full-length adiponectin (By similarity).

**Cellular Location**

Cell membrane; Multi-pass membrane protein Note=Localized to the cell membrane and intracellular organelles

**Tissue Location**

Widely expressed (PubMed:16044242). Highly expressed in heart and skeletal muscle (PubMed:12802337). Expressed at intermediate level in brain, spleen, kidney, liver, placenta, lung and peripheral blood leukocytes (PubMed:12802337). Weakly expressed in colon, thymus and small intestine (PubMed:12802337)

**ADIPOR1 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**ADIPOR1 Antibody (C-term) Blocking Peptide - Images****ADIPOR1 Antibody (C-term) Blocking Peptide - Background**

The adiponectin receptors, ADIPOR1 and ADIPOR2, serve as receptors for globular and full-length adiponectin and mediate increased AMPK and PPAR-alpha ligand activities, as well as fatty acid oxidation and glucose uptake by adiponectin.

**ADIPOR1 Antibody (C-term) Blocking Peptide - References**

Civitarese,A.E., et.al., Diabetologia 47 (5), 816-820 (2004) Wang,H., et.al., Diabetes 53 (8), 2132-2136 (2004)