

**ADIPOR2 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP5105c****Specification**

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**ADIPOR2 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q86V24](#)**ADIPOR2 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 79602**Other Names**

Adiponectin receptor protein 2, Progestin and adipoQ receptor family member II, ADIPOR2, PAQR2

**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.

**ADIPOR2 Antibody (Center) Blocking Peptide - Protein Information****Name** ADIPOR2 ([HGNC:24041](#))**Function**

Receptor for ADIPOQ, an essential hormone secreted by adipocytes that regulates glucose and lipid metabolism (PubMed:<a href="http://www.uniprot.org/citations/12802337" target="\_blank">12802337</a>, PubMed:<a href="http://www.uniprot.org/citations/25855295" target="\_blank">25855295</a>). Required for normal body fat and glucose homeostasis. ADIPOQ-binding activates a signaling cascade that leads to increased PPARA activity, and ultimately to increased fatty acid oxidation and glucose uptake. Has intermediate affinity for globular and full-length adiponectin. Required for normal revascularization after chronic ischemia caused by severing of blood vessels (By similarity).

**Cellular Location**

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

**Tissue Location**

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

## **ADIPOR2 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **ADIPOR2 Antibody (Center) Blocking Peptide - Images**

## **ADIPOR2 Antibody (Center) Blocking Peptide - Background**

The adiponectin receptors, ADIPOR1 (MIM 607945) and ADIPOR2, serve as receptors for globular and full-length adiponectin (MIM 605441) and mediate increased AMPK (see MIM 602739) and PPAR-alpha (PPARA; MIM 170998) ligand activities, as well as fatty acid oxidation and glucose uptake by adiponectin.

## **ADIPOR2 Antibody (Center) Blocking Peptide - References**

Ferguson, J.F., et al. Am. J. Clin. Nutr. 91(3):794-801(2010)Halvatsiotis, I., et al. Cardiovasc Diabetol 9, 10 (2010) Yoshihara, K., et al. J Reprod Med 54 (11-12), 669-674 (2009)