

**Anti-ADIPOR1 Picoband Antibody**  
Catalog # ABO12108

**Specification**

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**Anti-ADIPOR1 Picoband Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q96A54</a>
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Adiponectin receptor protein 1(ADIPOR1) detection. Tested with WB in Human;Rat.

**Reconstitution**

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

**Anti-ADIPOR1 Picoband Antibody - Additional Information**

**Gene ID** 51094

**Other Names**

Adiponectin receptor protein 1, Progestin and adipoQ receptor family member I, ADIPOR1, PAQR1 {ECO:0000303|PubMed:16044242}, TESBP1A

**Calculated MW**

42616 MW KDa

**Application Details**

Western blot, 0.1-0.5 µg/ml, Human, Rat<br>

**Subcellular Localization**

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

**Tissue Specificity**

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). .

**Protein Name**

Adiponectin receptor protein 1

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

**Immunogen**

A synthetic peptide corresponding to a sequence at the N-terminus of human ADIPOR1 (51-78aa EQTCPVPEEEEEVRLTLPLQAHAME), different from the related mouse sequence by two amino acids.

**Purification**

Immunogen affinity purified.

**Cross Reactivity**

No cross reactivity with other proteins

**Storage**

**At -20°C for one year. After r°Constitution, at 4°C for one month. It°Can also be aliquotted and stored frozen at -20°C for a longer time.Avoid repeated freezing and thawing.**

**Sequence Similarities**

Belongs to the ADIPOR family.

**Anti-ADIPOR1 Picoband Antibody - Protein Information**

**Name** ADIPOR1 ([HGNC:24040](#))

**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 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)

**Anti-ADIPOR1 Picoband 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](#)

### Anti-ADIPOR1 Picoband Antibody - Images



Anti- ADIPOR1 Picoband antibody, ABO12108, Western blotting  
All lanes: Anti ADIPOR1 (ABO12108) at 0.5ug/ml  
Lane 1: Rat Thymus Tissue Lysate at 50ug  
Lane 2: Rat Testis Tissue Lysate at 50ug  
Lane 3: MCF-7 Whole Cell Lysate at 40ug  
Lane 4: A549 Whole Cell Lysate at 40ug  
Predicted bind size: 43KD  
Observed bind size: 43KD

### Anti-ADIPOR1 Picoband Antibody - Background

ADIPOR1 is known as Adiponectin receptor protein 1. This gene encodes a protein which acts as a receptor for adiponectin, a hormone secreted by adipocytes which regulates fatty acid catabolism and glucose levels. Binding of adiponectin to the encoded protein results in activation of an AMP-activated kinase signaling pathway which affects levels of fatty acid oxidation and insulin sensitivity. A pseudogene of this gene is located on chromosome 14. Multiple alternatively spliced transcript variants have been found for this gene.