

**AP05204CP-N****Adiponectin Receptor 2**

<b>Alternate names:</b>	ADIPOR2, PAQR2, Progestin and adipoQ receptor family member II
<b>Quantity:</b>	50 µg
<b>Background:</b>	Adiponectin Receptor 2 is the receptor for globular and full length adiponectin (APM1), an essential hormone secreted by adipocytes that acts as an antidiabetic. Probably involved in metabolic pathways that regulate lipid metabolism such as fatty acid oxidation. Mediates increased AMPK, PPARA ligand activity, fatty acid oxidation and glucose uptake by adiponectin.
<b>Uniprot ID:</b>	<a href="#">Q86V24</a>
<b>NCBI:</b>	<a href="#">NP_078827.2</a>
<b>GeneID:</b>	<a href="#">79602</a>
<b>Format:</b>	<b>State:</b> Liquid purified peptide <b>Buffer System:</b> Phosphate buffered saline with 0.08% sodium azide
<b>Applications:</b>	Incubate antibody neat with at least a 50 fold stoichiometric excess of blocking peptide at 37°C for 20 minutes (molecular weights of peptide and antibody are ~2.5 kDa and ~160 kDa, respectively). Antibody can then be diluted to a concentration suitable for Western blot. Example: 10 µl or 10 µg of rabbit anti-Adiponectin Receptor 2 is added to 10 µg of blocking peptide for a total volume of 20 µl. The mixture is allowed to incubate for 20 minutes at 37°C prior to dilution in suitable buffer (for Western blot, etc.). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	Control peptide for antibody AP05204PU-N only.
<b>Storage:</b>	Store (in aliquots) at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.