



## Adiponectin Receptor 2 Blocking Peptide

### BACKGROUND

ADR2 functions as a receptor for globular and full-length adiponectin (APM1), which is an essential hormone secreted by adipocytes that acts as an antidiabetic. ADR2 is also probably involved in metabolic pathways that regulate lipid metabolism such as fatty acid oxidation. ADR2 mediates an increase in AMPK, PPARA ligand activity, fatty acid oxidation and glucose uptake by adiponectin and has some intermediate-affinity receptor activity for both globular and full-length adiponectin. ADR2 may form homo and heteromultimers.

### ORDERING INFORMATION

**CATALOG NUMBER**

X2051B

**SIZE**

50  $\mu$ g

**CUSTOMER STORAGE**

Product should be stored at -20°C.  
Aliquot to avoid freeze/thaw cycles

**FORMULATION**

Provided as solution in phosphate buffered saline with 0.08% sodium azide

**SHIP CONDITIONS**

Ship at ambient temperature, freeze upon arrival

**STABILITY**

Products are stable for one year from purchase when stored properly

### COMMENTS

For use with Adiponectin Receptor 2 polyclonal antibody (Cat. No. X1699P).

### INSTRUCTIONS

Incubate antibody neat with at least a 50 fold stoichiometric excess of blocking peptide at 37 deg 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  $\mu$ l or 10  $\mu$ g of Exalpa's rabbit anti-Adiponectin Receptor 2 (Cat. No. X1699P) is added to 10  $\mu$ g of blocking peptide for a total volume of 20  $\mu$ l. The mixture is allowed to incubate for 20 minutes at 37 deg C prior to dilution in suitable buffer (for Western blot, etc.).