



Adiponectin Receptor 2. Rabbit Polyclonal Antibody

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

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.

IMMUNOGEN

Synthetic peptide near the C terminus of human adiponectin receptor 2 protein.

POSITIVE CONTROL/TISSUE EXPRESSION

Colon, Hippocampus, and Trachea

COMMENTS

Antibody can be used for Western blotting (5-10 μ g/ml) and ELISA. Other applications not yet tested. Cross reacts with Human ADR1. Optimal concentration should be evaluated by serial dilutions.

ORDERING INFORMATION

CATALOG NUMBER

X1699P

SIZE

100 μ g

FORM

Unconjugated

HOST/CLONE

Rabbit

FORMULATION

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

CONCENTRATION

See vial for concentration

ISOTYPE**APPLICATIONS**

Western Blot, ELISA

SPECIES REACTIVITY

Human

ACCESSION NUMBER

Q86V24, Human

PURIFICATION

Ammonium Sulfate Precipitation

SHIP CONDITIONS

Ship at ambient temperature, freeze upon arrival

STORAGE CUSTOMER

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

STABILITY

Products are stable for one year from purchase when stored properly

REFERENCES

1. Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G., Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D., Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K., Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Marra M.A.; Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences.; Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).

2. Yamauchi T., Kamon J., Ito Y., Tsuchida A., Yokomizo T., Kita S., Sugiyama T., Miyagishi M., Hara K., Tsunoda M., Murakami K., Ohteki T., Uchida S., Takekawa S., Waki H., Tsuno N.H., Shibata Y., Terauchi Y., Froguel P., Kadowaki T.; Cloning of adiponectin receptors that mediate antidiabetic metabolic effects.; Nature 423:762-769(2003).

PRODUCT SPECIFIC REFERENCES