Human AdipoR1
Alexa Fluor® 700-conjugated Antibody

Recombinant Monoclonal Rabbit IgG Clone # 2416C
Catalog Number: FAB10128N
100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human AdipoR1 in direct ELISAs. In direct ELISA, no cross-reactivity with human AdipoR2 is observed
Source	Recombinant Monoclonal Rabbit IgG Clone # 2416C
Purification	Protein A or G purified from cell culture supernatant
Immunogen	Synthetic peptide containing human AdipoR1 C-term sequences
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Flow Cytometry	0.25-1 µg/10^6 cells	HEK293 Human Cell Line Transfected with Human AdipoR1 and eGFP

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Protect from light. Do not freeze.** • 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Adiponectin receptor protein 1 (AdipoR1) is a 7 transmembrane receptor for globular and full-length adiponectin required for normal glucose and fat homeostasis and for maintaining a normal body weight. AdipoR1 mediates increased AMP kinase and PPAR-alpha ligand activities well as fatty-acid oxidation and glucose uptake by adiponectin. Genetic variability at the AdipoR1 locus is a strong determinant of coronary artery disease susceptibility in type 2 diabetes. AdipoR1 is abundantly expressed in skeletal muscle.

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