



ADIPOR1 Polyclonal Antibody

E91509

Catalog Number: E91509

Amount: 100ul

Background: Adiponectin is a circulating hormone secreted by adipocytes that improves the metabolism of glucose and lipids, and is expressed at low levels in those with obesity and diabetes. Adiponectin receptors AdipoR1 and AdipoR2, also designated progestin and adipoQ receptor family members I and II, respectively, regulate fatty acid oxidation and the uptake of glucose by adiponectin. Each receptor activates a unique set of signaling molecules including AMPK, p38 MAPK and PPAR α . AdipoR1 has a high-affinity for globular adiponectin and low-affinity for full-length adiponectin, while AdipoR2 has an intermediate affinity for both forms. AdipoR1 and AdipoR2 are mainly expressed in liver and muscle. Adiponectin, AdipoR1 and AdipoR2 are all associated with body composition, Insulin sensitivity, and metabolic parameters. Physical training increases circulating adiponectin and mRNA expression of AdipoR1 and AdipoR2 in muscle, which may mediate the improvement of Insulin resistance and the metabolic syndrome in response to exercise.

Species: Rabbit

Isotype: IgG

Storage/Stability: Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonyms: Adiponectin receptor protein 1; Progestin and adipoQ receptor family member I ; CGI-45; PAQR1; ADIPOR1;

Immunogen: Recombinant protein of human ADIPOR1

Purification: Affinity purification

Reactivity: H M R

Applications: WB IHC

Molecular Weight: 43kDa

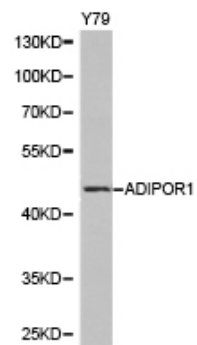
Swiss-Prot No. : Q96A54

Gene ID: 51094

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WB 1:500 - 1:2000

IHC 1:50- 1:200



Western blot analysis of extracts of Y79cell line, using ADIPOR1 antibody.

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