

抗レプチン受容体抗体のマウス摘出脂肪組織に対する レプチン類似脂肪分解促進作用

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Anti-Leptin Receptor Antibody Mimics the Stimulation of Lipolysis Induced by Leptin in Isolated Mouse Fat Pads

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ABSTRACT: An anti-leptin receptor antibody, as well as leptin, stimulated the lipolysis of isolated mouse fat pads. Both the receptor antibody and leptin may stimulate the lipolysis through mechanisms involving a transient increase in the cellular IP₃ content followed by cAMP production, which leads to activation of PKA.

抄録 抗レプチン受容体抗体は、レプチンと同様にマウス脂肪組織の脂肪分解を促進した。両物質の作用は、細胞内 IP₃ 含量の一過性上昇とそれに伴う cAMP-PKA の活性化にもとづくことが確認された。