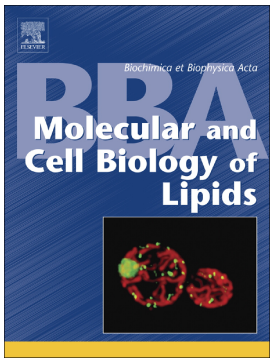

Role of ABCA1 on membrane cholesterol content, insulin-dependent Akt phosphorylation and glucose uptake in adult skeletal muscle fibers from mice

P. Sánchez-Aguilera, A. Díaz-Vegas, C. Campos, O. Quinteros-Waltemath, H. Cerda-Kohler, G. Barrientos, A. Contreras-Ferrat, P. Llanos

PII: S1388-1981(18)30285-3
DOI: doi:10.1016/j.bbalip.2018.09.005
Reference: BBAMCB 58363

To appear in: *BBA - Molecular and Cell Biology of Lipids*

Received date: 17 December 2017
Revised date: 23 August 2018
Accepted date: 17 September 2018

Please cite this article as: P. Sánchez-Aguilera, A. Díaz-Vegas, C. Campos, O. Quinteros-Waltemath, H. Cerda-Kohler, G. Barrientos, A. Contreras-Ferrat, P. Llanos , Role of ABCA1 on membrane cholesterol content, insulin-dependent Akt phosphorylation and glucose uptake in adult skeletal muscle fibers from mice. Bbamcb (2018), doi:10.1016/j.bbalip.2018.09.005

Role of ABCA1 on membrane cholesterol content, insulin-dependent Akt phosphorylation and glucose uptake in adult skeletal muscle fibers from mice.

Sánchez-Aguilera P.[1], Díaz-Vegas A.[2], Campos C.[3], Quinteros-Waltemath O.[1], Cerda-Kohler H.[1], Barrientos G.[3], Contreras-Ferrat A.[4], Llanos P.[1,3]

[1]Institute for Research in Dental Sciences, Facultad de Odontología, Universidad de Chile.

[2]Departamento Ciencias Biológicas, Facultad Ciencias de la Vida, Universidad Andrés Bello, Santiago, Chile.

[3]CEMC, Facultad de Medicina, Universidad de Chile.

[4]ACCDiS, Facultad de Ciencias Químicas y Farmacéuticas & Facultad de Medicina, Universidad de Chile.

Keyword: GLUT4, Transverse-tubule system, High fat diet, Insulin resistance, Cholesterol Efflux.

Running Head: ABCA1 modulates GLUT4-mediated glucose uptake in adult fibers.

* Correspondence should be addressed to Paola Llanos, PhD, Institute for Research in Dental Sciences, Facultad de Odontología, Universidad de Chile. Sergio Livingstone Pohlhammer 943, Independencia, Santiago, Chile. Phone: +56229781727; Fax: +56227776916. E-mail: pllanos@odontologia.uchile.cl