

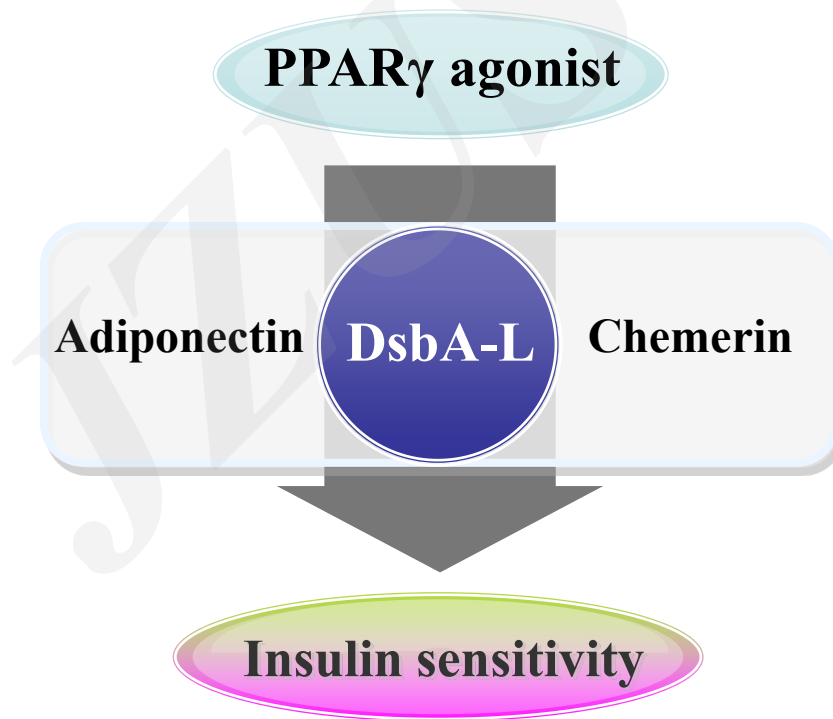
Cite this as: Xuan ZHOU, Jia-qi LI, Li-jie WEI, Meng-zhou HE, Jing JIA, Jing-yi ZHANG, Shao-shuai WANG, Ling FENG, 2020. Silencing of *DsbA-L* gene impairs the PPAR γ agonist function that improves insulin resistance in a high glucose cell model. *Journal of Zhejiang University-Science B (Biomedicine & Biotechnology)*, **21**(12):990-998.
<http://doi.org/10.1631/jzus.B2000432>

Silencing of *DsbA-L* gene impairs the PPAR γ agonist function of improving insulin resistance in a high glucose cell model

Key words: Disulfide-bond A oxidoreductase-like protein (DsbA-L), Peroxisome proliferator-activated receptor γ (PPAR γ), Chemerin, Insulin signaling pathway, Gestational diabetes mellitus

Research Summary

This article mainly focused on the necessity of DsbA-L in the function of PPAR γ agonists, as well as the potential relationship between DsbA-L and chemerin in high glucose treated HTR-8/SVneo cells.



Innovation points

- **Silencing DsbA-L affected the function of PPAR γ agonist in promoting the phosphatidylinositol 3-kinase (PI3K) - protein kinase B (PKB) / AKT pathway.**
- **We demonstrated that chemerin enhances DsbA-L expression for the first time.**