

A Novel Mechanism Involved in TLR4

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摘要

Abstract

The p47phox- and Rac 1-dependent NADPH oxidase activation, ROS production, and MAPK signaling pathways play critical roles in endotoxin-enhanced TLR4 expression and TLR4 mRNA stabilization in VSMCs. These evidences provide for the direct involvement of VSMCs in endotoxin-mediated inflammatory activation, which may contribute to the progression of cardiovascular disorders, although targeting TLR4 will prove to be a successful approach for the treatment of these devastating diseases remains to be determined.