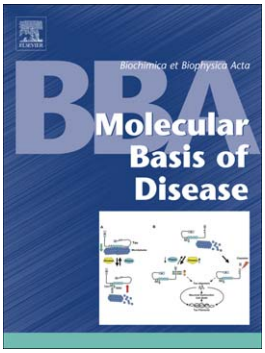

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Keywords

NADPH oxidases, diabetic cardiomyopathy, oxidative stress, metabolism, obesity and insulin resistance

Abbreviations

Advanced glycation end-products (AGEs), AGE receptors (RAGE), Angiotensin II (Ang II), Ca^{2+}/calmodulin-dependent protein kinase II (CaMKII), diallyl trisulfide (DATS), endoplasmic reticulum (ER), endothelial and neuronal nitric oxide synthase (eNOS and nNOS), fatty acid (FA), glucose transporter (GLUT), glycated BSA (Gly-BSA), heart failure (HF), high glucose (HG), NADPH-oxidase (NOX), Na^{+}-Ca^{2+}exchanger (NCX), monoamine oxidase (MAO), perilipin 5 (Plin-5), protein kinase C (PKC), Renin-Angiotensin-System (RAS), reactive oxygen species (ROS), reactive oxygen- and nitrogen species (RONS), sarcoplasmatic reticulum (SR), Sodium-Glucose cotransporter (SGLT), Xanthine Oxidase (XO)