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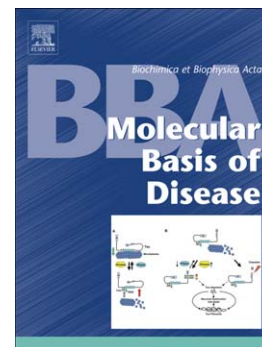
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Nrf2 Signaling Pathway: Pivotal Roles in Inflammation

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Abbreviations: ARE, antioxidant response element; CBP, cAMP-response-element-binding protein binding protein; COX-2, cyclooxygenase 2; Gclc, glutamate cysteine ligase catalytic subunit; Gclm, glutamate cysteine ligase regulatory subunit; GSH, glutathione; HO-1, heme oxygenase-1; IKK β , inhibitor of nuclear factor kappa-B kinase; ICAM-1; intercellular adhesion molecule1 IL-17, interleukin 17; IL-6, interleukin 6; JAK, janus kinase; KEAP1, Kelch-like ECH associated protein; LDL, low-density lipoprotein; LPS, lipopolysaccharide; MAPK, mitogen-activated protein kinase; MCP1, monocyte chemoattractant protein-1; MIP2, macrophage inflammatory protein 2 ; MMP-7, matrix metalloproteinase 7; MMP-9, matrix metalloproteinase 9; NAD(P)H, nicotinamide adenine dinucleotide phosphate; NF- κ B, nuclear factor – κ B; NRF2, NF-E2 p45-related factor 2; Prxl, peroxiredoxin I; ROS, reactive oxygen species; RXR α , retinoid X receptor alpha; STAT, signal transducers and activators of transcription; TREM1, triggering receptor expressed on myeloid cells 1; Th1, T helper cell 1; Th17, T helper cell 17; TNF- α , tumor necrosis factor α ; VCAM-1, vascular cell adhesion molecule 1.

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