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<sup>5</sup>Role of peroxisome proliferator-activated receptors alpha and gamma in gastric ulcer:

An overview of experimental evidences

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### Abstract

Peroxisome proliferator-activated receptors (PPARs) are ligand-activated transcription factors belonging to the nuclear hormone receptor superfamily. Three subtypes, PPAR $\alpha$ , PPAR $\beta/\delta$ , and PPAR $\gamma$ , have been identified so far. PPAR $\alpha$  is expressed in the liver, kidney, small intestine, heart, and muscle, where it activates the fatty acid catabolism and control lipoprotein assembly in response to long-chain unsaturated fatty acids, eicosanoids, and hypolipidemic drugs (e.g., fenofibrate). PPAR $\beta/\delta$  is more broadly expressed and is implicated in fatty acid oxidation, keratinocyte differentiation,

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Collectively, the evidence supports that PPAR $\alpha$  activation leads to ... in turn, could contribute to exacerbate experimentally induced colitis in PPAR $\beta/\delta$ -null mice [47, 48].

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