



La voie Nrf2 en pathologie respiratoire

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Résumé en anglais	<p>Airways are continually exposed to multiple inhaled oxidants and protect themselves with cellular and extracellular antioxidants throughout the epithelial lining fluid and tissues. Oxidative stress, resulting from the increased oxidative burden and decreased level of antioxidant proteins, is involved in cellular and tissue damage related to the pathogenesis of many acute and chronic respiratory diseases. Evidence suggested that nuclear factor erythroid-2-related factor 2 (Nrf2), a transcription factor that controls antioxidant response element (ARE)-regulated antioxidant and cytoprotective genes has an essential protective role in the lungs against oxidative airway diseases. Therefore, Nrf2 promises to be an attractive therapeutic target for intervention and prevention strategies in respiratory diseases. We have reviewed major findings on the mechanisms of lung protection against oxidative stress by Nrf2 and the current literature suggesting that Nrf2 is a valuable therapeutic target.</p>
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Liens

- [1] <http://okina.univ-angers.fr/publications?f%5Bauthor%5D=11518>
- [2] <http://okina.univ-angers.fr/delphine.goven/publications>
- [3] <http://okina.univ-angers.fr/publications?f%5Bauthor%5D=27046>
- [4] <http://okina.univ-angers.fr/publications?f%5Bauthor%5D=11523>
- [5] <http://okina.univ-angers.fr/publications?f%5Bkeyword%5D=964>
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- [17] <https://www.medecinesciences.org/fr/articles/medsci/abs/2011/09/medsci20112711p966/medsci20112711p966.html>
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