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Title: Cytokine responses induced by diesel exhaust particles are suppressed by PAR-2 silencing and antioxidant treatment, and driven by polar and non-polar soluble constituents

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Cytokine responses induced by diesel exhaust particles are suppressed by PAR-2 silencing and antioxidant treatment, and driven by polar and non-polar soluble constituents

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Highlights

- Antioxidants suppressed DEP-induced IL-6 and CXCL8 responses in BEAS-2B cells
- CXCL8 appeared more dependent on oxidant-mediated mechanisms than IL-6
- PAR-2 silencing attenuated DEP-induced IL-6 but not CXCL8
- DEP-induced IL-6 and CXCL8 responses were not mediated by AhR activation
- Polar DEP-extracts induced IL-6 and non-polar extracts induced both IL-6 and CXCL8

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