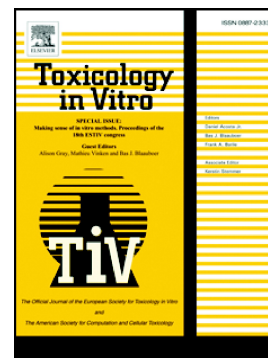


## Accepted Manuscript

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# Di-n-butyl phthalate modifies PMA-induced macrophage differentiation of THP-1 monocytes via PPAR $\gamma$

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**Running title:** DBP modifies macrophage differentiation via PPAR $\gamma$

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## Highlights

- DBP modified PMA-induced morphological differentiation THP-1 cells.
- DBP enhanced PMA-induced expression of the surface marker CD36.
- Proteomics screening suggested that these effects were mediated via PPAR $\gamma$ .
- Experiments with PPAR $\gamma$  agonists and antagonists confirmed a role for PPAR $\gamma$  in DBP-induced CD36 expression.
- DBP binding seemed to occur at both the canonical and alternative ligand-binding site.

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