

Polyvinylpyrrolidone-coated silver nanoparticles induce the expression inducible nitric oxide synthase in intestinal C2BBe1 cells



- The expression levels of iκBα decreased after exposure to 50 nm PVP-AgNP.
- The expression of inducible nitric oxide synthase (iNOS) levels increased, after exposure to 50 nm PVP-AgNP. This increase was followed by an increase in NO^o levels.

Therefore, it can be concluded that larger PVP-AgNP induce prominent activation of a putative inflammatory response by intestinal cells. However, further studies are needed to disclose the mechanistic pathways involved in intestinal pro-inflammatory effects of AgNP.

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