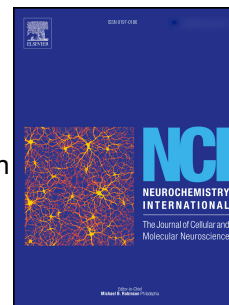


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Regulation of the ARE-binding proteins, TTP (tristetraprolin) and HuR (human antigen R), in inflammatory response in astrocytes

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Running title: Regulation of TTP and HuR expression in astrocytes

Keywords: TTP (tristetraprolin); HuR (human antigen R); cyclooxygenase 2 ; toll-like receptor (TLR) agonists; cycloheximide; mRNA degradation; inflammation, astrocytes; p38 MAPK

Abbreviations: ARE, Adenine-uridine rich elements; DMEM, Dulbecco's modified Eagle's medium; FGL, flagellin; IL, interleukin; LPS, lipopolysaccharide; HuR, human antigen R; MAPK, mitogen activated protein kinases; NF- κ B, nuclear factor kappa-light-chain-enhancer of activated B cells; JNK, c-Jun N-term Kinase; p38, p38 mitogen-activated protein kinases; PGE₂, prostaglandin E₂; PGN, peptidoglycan; PPAR, peroxisome proliferator-activated receptor; TLR, toll-like receptors; TNF α , tumor necrosis factor α ; TTP, tristetraprolin

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