



Effect of the pituitary adenylate cyclase-activating polypeptide on the autophagic activation observed in *in vitro* and *in vivo* models of Parkinson's disease

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Highlights

- PACAP decreases the production of the autophagy-related LC3 II complex.
- PACAP modulates the sequestration of p62, an autophagy-related protein.
- PACAP inhibits the formation of autophagic vacuoles in neurodegeneration models.
- PACAP exhibits anti-autophagic properties in Parkinson's disease models.