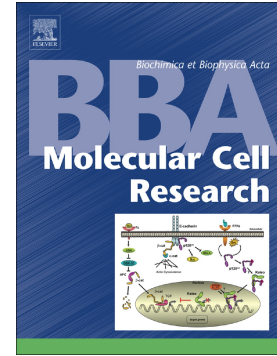


## Accepted Manuscript

Novel nuclear translocation of inositol polyphosphate 4-phosphatase is associated with cell cycle, proliferation and survival

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**Novel nuclear translocation of inositol polyphosphate 4-phosphatase is associated with cell cycle, proliferation and survival**

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Running title: *Nucleocytoplasmic shuttling of INPP4A is associated with cell cycle*

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**Keywords:** INPP4A, nuclear localization, nucleocytoplasmic shuttling, proliferation, apoptosis

**ABSTRACT**

Inositol polyphosphate 4 phosphatase type I enzyme (INPP4A) has a well-documented function in the cytoplasm where it terminates the phosphatidylinositol 3-kinase (PI 3-K) pathway by acting as a negative regulator. In this study, we demonstrate for the first

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