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(54) **MODULATION OF MIDBODY DERIVATIVES**

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See application file for complete search history.

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(57) **ABSTRACT**

The number of midbody derivatives in a cell may be modu-
lated by modulating autophagy induced by NBR1. Exem-
plary methods include modulating the amount or activity of
NBR1 in the cell, potentiating or inhibiting binding between
NBR1 and Cep55 in the cell, or modulating the amount of
Cep55 in the cell. These methods can be used in the treatment
of cancers or in methods of reprogramming cells.