

研究業績 英文表記

和文	
表題	Glia maturation factor- β 発現による senescence 誘導の検討
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英文	
Title	Glia maturation factor- β may induce senescence in its expressing cells.
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Abstract	<p>We reported that proteinuria induced the expression of brain specific protein, glia maturation factor-β (GMF) in the kidney. It caused vulnerability to oxidative stress, resulting in apoptosis in cultured renal proximal tubular cells. To analyze the pathophysiological roles of GMF expression, we used renal proximal tubular cells (PT) expressing GMF (GMF-PT) and analyzed the induction of cell senescence. SA-β gal staining was observed in PT cells but not in GMF-PT cells. Sirt1, which belongs to the Silent information regulator 2 (Sir2) family promoting longevity in yeast, was down regulated in GMF-PT significantly. These results suggested that the expression of GMF induced cellular senescence.</p>
keyword	Glia maturation factor- β , senescence, SIRT1, aging

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