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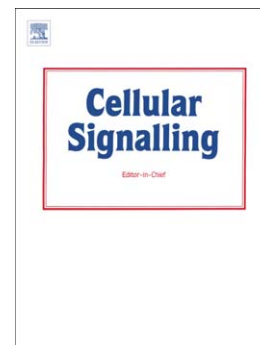
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Modulation of primary cilia length by melanin-concentrating hormone receptor 1

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Abbreviations: AcTub, acetylated α -tubulin; BBS, Bardet–Biedl syndrome; β ARKct, beta-adrenergic receptor kinase carboxyl-terminus; cAMP, cyclic AMP; C-tail, C-terminal tail; Epac, exchange protein directly activated by cAMP; ERK, extracellular signal-regulated kinase; GPCR, G-protein-coupled receptor; GSK3 β , glycogen synthase kinase 3 β ; hRPE1 cells, hTERT-RPE1 cells; IFT, intraflagellar transport; IM, ionomycin; MCH, melanin-concentrating

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