APPENDIX（カラー図掲載）

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5. mTOR 複合体によるエピジェネティクス制御機構の解明

増井憲太、原地美緒、柴田亮行

（病理学（病態神経科学分野））

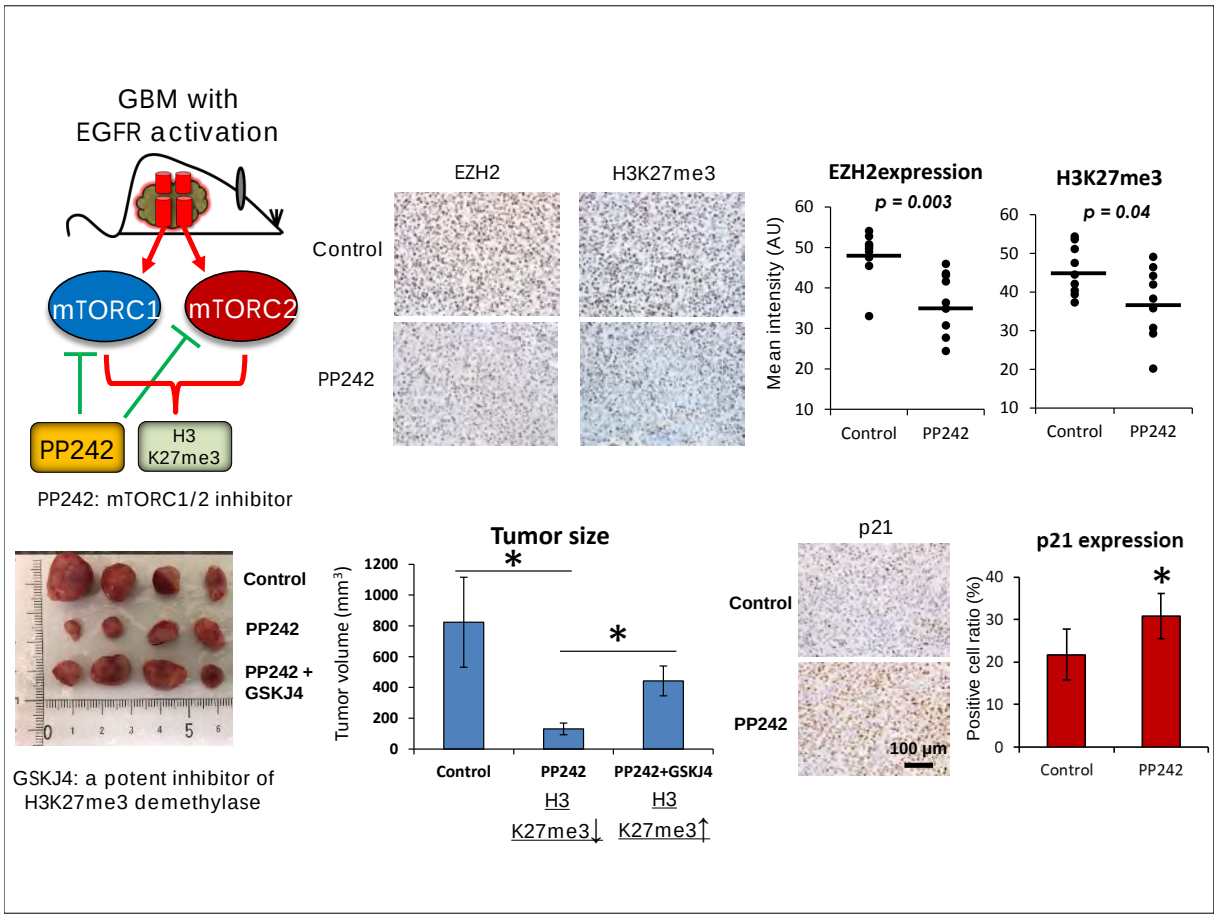

図1. mTOR 複合体（mTORC1, mTORC2）の両阻害が H3K27me3 と腫瘍の成長を抑制する

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20. Application of conditional reprogramming culture to analyse Japanese primary ciliary dyskinesia

Atsushi Kurokawa[1], Mitsuko Kondo[1], Nahoko Honda[1], Mami Orimo[1], Tomohiro Akaba[1], Mayoko Tsuji[1], Ken Arimura[1], Osamitsu Yagi[1], Kiyoshi Takeyama[1], Kazuhiko Takeuchi[2] and Etsuko Tagaya[1]

([1]Department of Respiratory Medicine, [2]Department of Otorhinolaryngology, Head & Neck Surgery, Mie University Graduate School of Medicine)

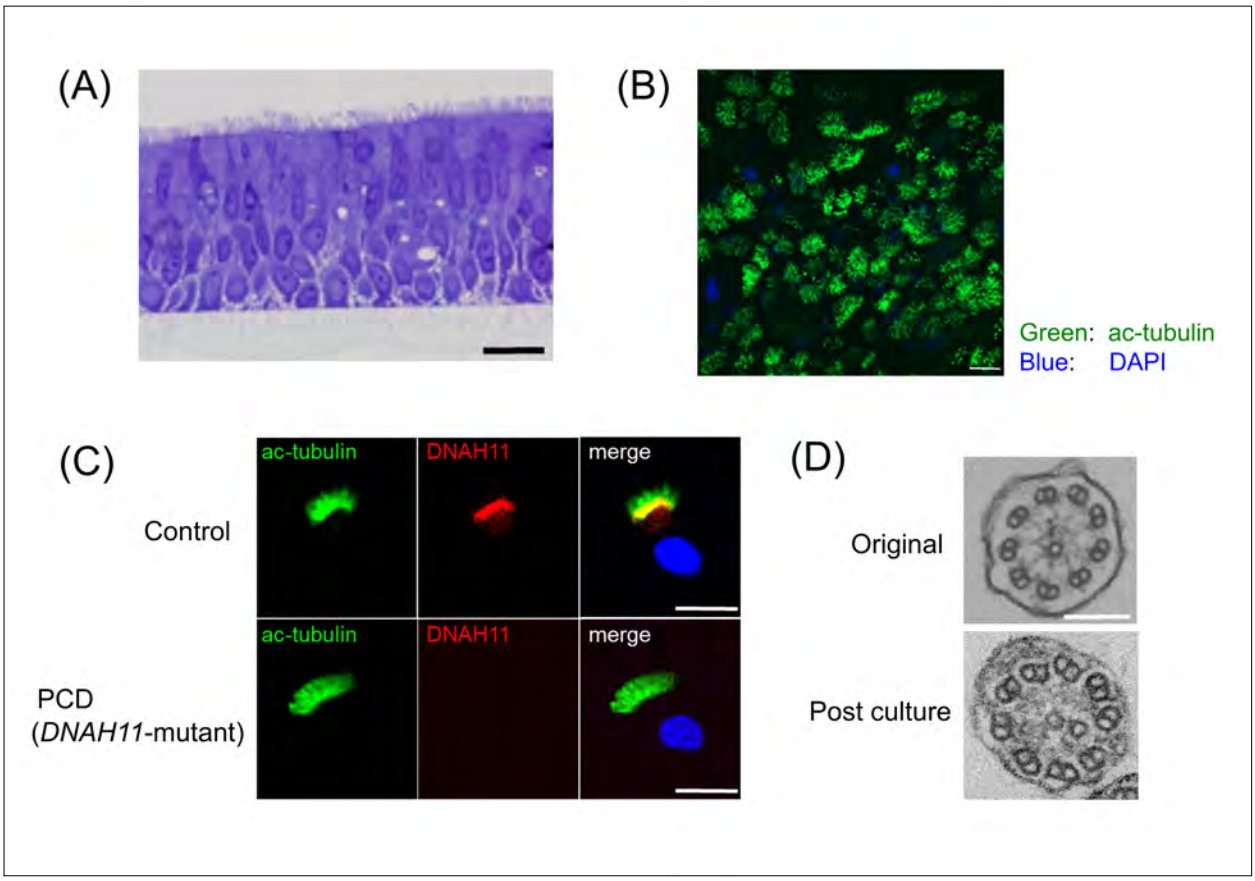

Figure 1. Primary ciliary dyskinesia (PCD)-derived human airway bronchial epithelial cells cultured using air-liquid interface method with conditional reprogramming culture (CRC). (A) Toluidine blue stain. (B) Immunofluorescence with anti-acetylated tubulin antibody visualizes the entire ciliary axonemes (green). (C) The defect of DNAH11 protein was confirmed after CRC in DNAH11-mutant PCD case. In control cells, DNAH11 protein (red) was localized to the proximal region of the ciliary axonemes. (D) Transmission electron microscopy of a cilium in PCD. The defect of outer dynein arms was maintained after CRC. Scale bars equal to (A-C) 20 μm, (D) 100 nm.