



Schematic diagram of fibrocystin/polyductin and its rat monoclonal antibodies.

Fibrocystin/polyductin is processed by proteolytic cleavage at KRKR³⁶¹³↓(mouse). Cleavage results in an N-terminal fragment (PECD, Polyductin Extra-Cellular Domain) and a transmembrane C-terminal fragment (PTM, Polyductin TransMembrane fragment) that are tethered by disulfide bonds (-S-S-). IPT: Ig-like, plexins, transcription factor domain; PbH1: Parallel beta-helix repeat; TIG, Transcription factor ImmunoGlobin domain; TIGL: TIG-like domain. PA14, anthrax protective antigen 14 domain; CBM, carbohydrate binding module. TM, transmembrane domain.

Epitope regions of rat monoclonal anti-mouse fibrocystin/polyductin antibodies (E1, E3 and E4) are indicated by black box. These antibodies react specifically to mouse fibrocystin/polyductin.