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The P2X4 purinergic receptor regulates hepatic myofibroblast activation during liver fibrogenesis.

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Abbreviations: α -SMA: alpha smooth muscle actin; ALT: alanine aminotransferase; ATP: adenosine 5'-triphosphate; BDL: bile duct ligation; CCl₄: carbon tetrachloride; ECM: extracellular matrix; H&E: hematoxylin and eosin; hMF: hepatic myofibroblasts; HSC: Hepatic stellate cell; KO: knock-out; LAMP2: lysosomal associated membrane protein 2; P2X4: P2X4 receptor; P2X7: P2X7 receptor; PH: partial hepatectomy; PBC: primary biliary cholangitis; PSC: primary sclerosing cholangitis; AC: alcoholic chronic liver disease; HCV: chronic viral hepatitis C; WT: wild type; 5-BDBD: 5-(3-Bromophenyl)-1,3-dihydro-2H-benzofuro[3,2-e]-1,4-diazepin-2-one; MCD: methionine, choline deficient diet.

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