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Characterization and cellular localization of human 5-lipoxygenase and its protein isoforms 5-LO Δ 13, 5-LO Δ 4 and 5-LOp12

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Abbreviations: 5-H(p)ETE, 5S-hydro(pero)xy-6,8,11,14(E,Z,Z,Z)-eicosatetraenoic acid; AA, arachidonic acid; AM, alveolar macrophages; DAPI, diamidino-2-phenylindole; EOS, eosinophilic granulocytes; FLAP, 5-lipoxygenase-activating protein; LO, lipoxygenase; LT, leukotriene; LTB₄, leukotriene B₄ (5S,12R-dihydroxy-6,8,10,14(Z,E,E,Z)-eicosatetraenoic acid); M1, M1 macrophages; M2, M2 macrophages; NMD, nonsense-mediated mRNA decay; PBMC, peripheral blood mononuclear cells; PBS, Dulbecco's phosphate-buffered saline; PTC, premature termination codon; RA, rheumatoid arthritis; WB, Western blot; WT, wildtype.

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