

Abstract

Uric acid is main metabolite from purine degradation pathway in humans a higher primates. Serum uric acid level is controlled on one side by absorption and on the other side by excretion. This processes run in kidney nephron and in intestinal epithelium. This thesis will be summarize the newest knowledges about intestinal epithelium cells transport protein, which excreted or reabsorbed uric acid from lumen of intestine. The thesis will be contain informatin about the transport protein family, protein – substrate interaction, regulation and it's importance in other tissue. Possibilities of regulation the urate handling system in intestinal epithelial, physiological and pathological importance will be contained in this work too.

Key words:

Uric acid, enterocyte, transport protein, epithelial cell