

APPENDIX

Interstitial Fluid	Cell Interior	Tubular Lumen
0 mV	-65 mV	± 1.6 mV
140 mM Na ⁺	20 mM Na ⁺	140 mM Na ⁺
1.6 mM Pi	4.0 mM Pi	1.6-0.6 mM Pi

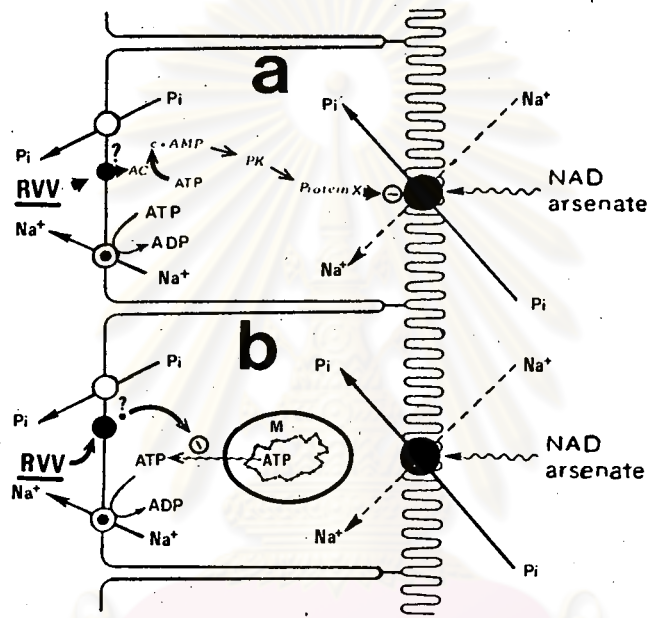


Fig 31 : The proposal model of the possible inhibitory mechanism of Russell's Viper venom on tubular transport of inorganic phosphorus (Pi) by either; enhanced c-AMP production (a) or act as metabolic inhibitor (b) in the renal tubular cell.

● = Na-Pi cotransport system; ○ = efflux site of Pi from cell at basolateral membrane (possible including carrier), for facilitated diffusion; ⊙ = Na-K ATPase pumping Na from cell at basolateral membrane; ⊖ = inhibitory action; ----- = passive transport; ? = the unknown mechanism; NAD and arsenate = the specific inhibitor of Pi transport system; RVV = Russell's viper venom; M = mitochondria .



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