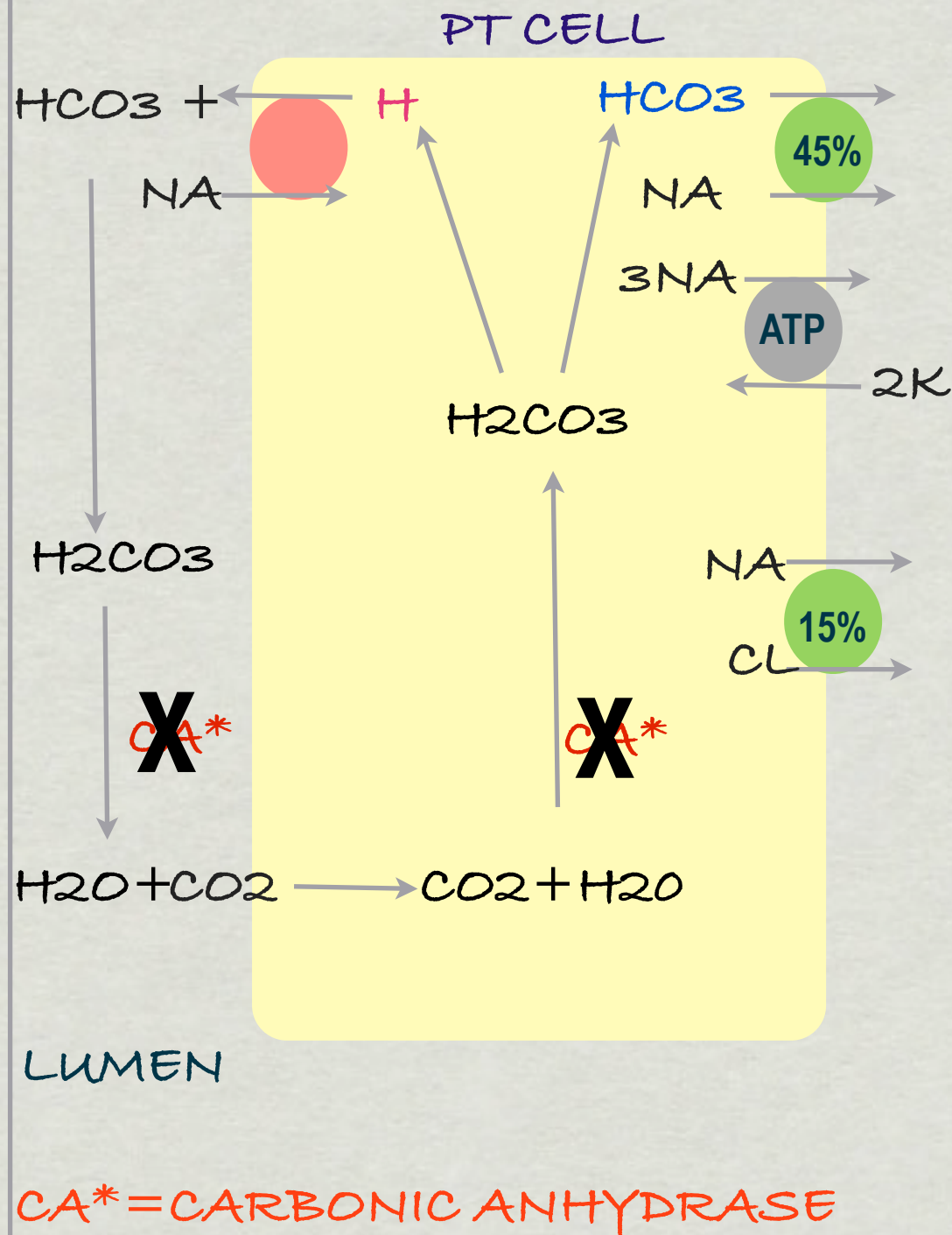


CA inhibitors (CAI)



Na reabsorption:60% PT	~ 45%w/HCO₃&15% w/Cl
h-Na-emia ↓HCO₃: Metabolic acidosis H-Cl-emia	CA inhibitors block Na reabsorption flushing Na and HCO ₃ in the urine; reabsorption of Na is increased w/ Cl compensatory.
h-K-emia	h-Na-emia produced in PT determines ALDOSTERONE in the collector duct to reabsorb Na in exchange w/ K & H
renal stones	basic urine(HCO ₃) produces more precipitation of oxalate and salts.
sulfa hypersensitivity	based on structure (sulfonamide)

CAI indications:	CAI examples:
1.Glaucoma	Acetazolamide Dorzolamide Dichlorphenamide Methazolamide
2.Sick mountain syndrome	
3.Metabolic alkalosis	