

Regulation of Carbohydrate Metabolism

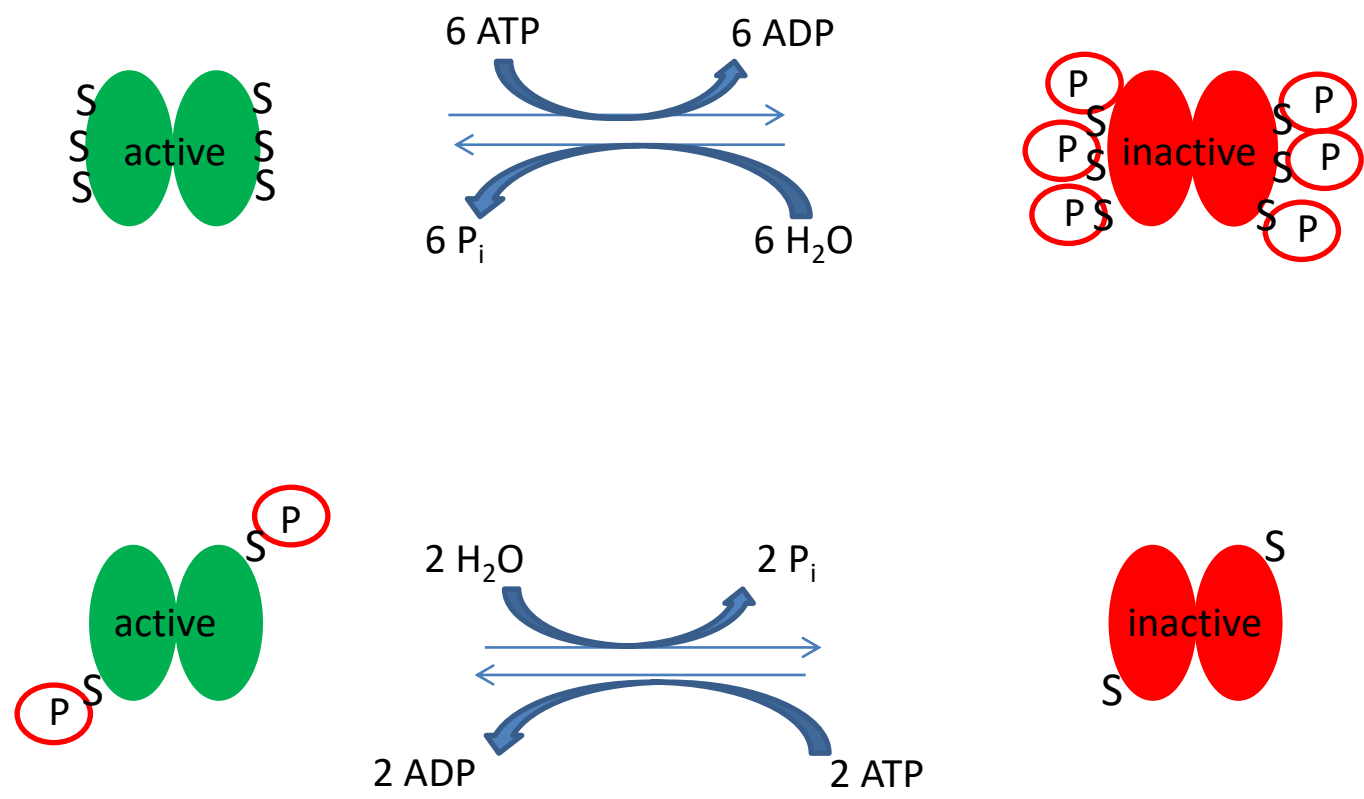
Phosphorylation/Dephosphorylation

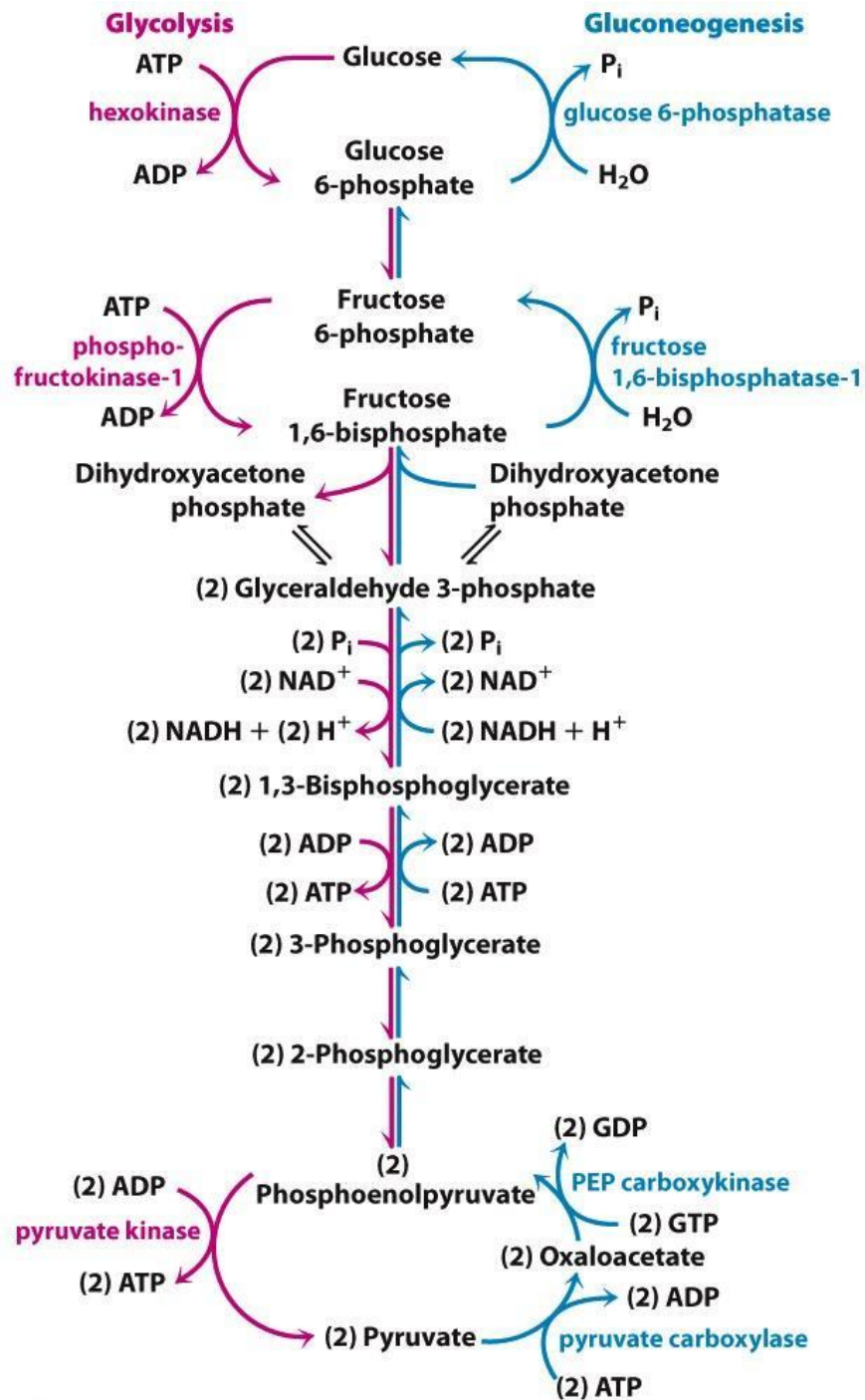
Fructose-2,6-bisphosphate

Hormones

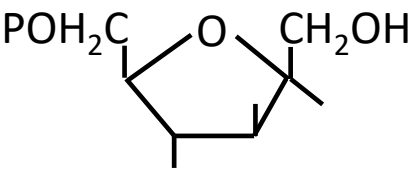
Phosphorylation/Dephosphorylation

GSK3 = glycogen synthase kinase 3
PP1 = phosphoprotein phosphatase 1





Regulation in the liver

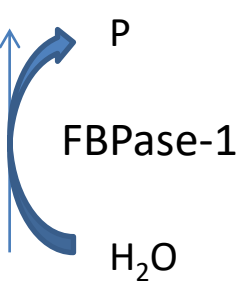
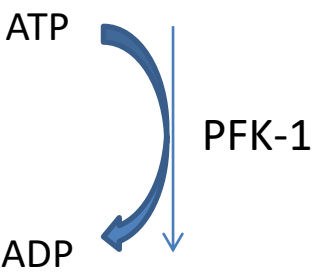


fructose-6-P

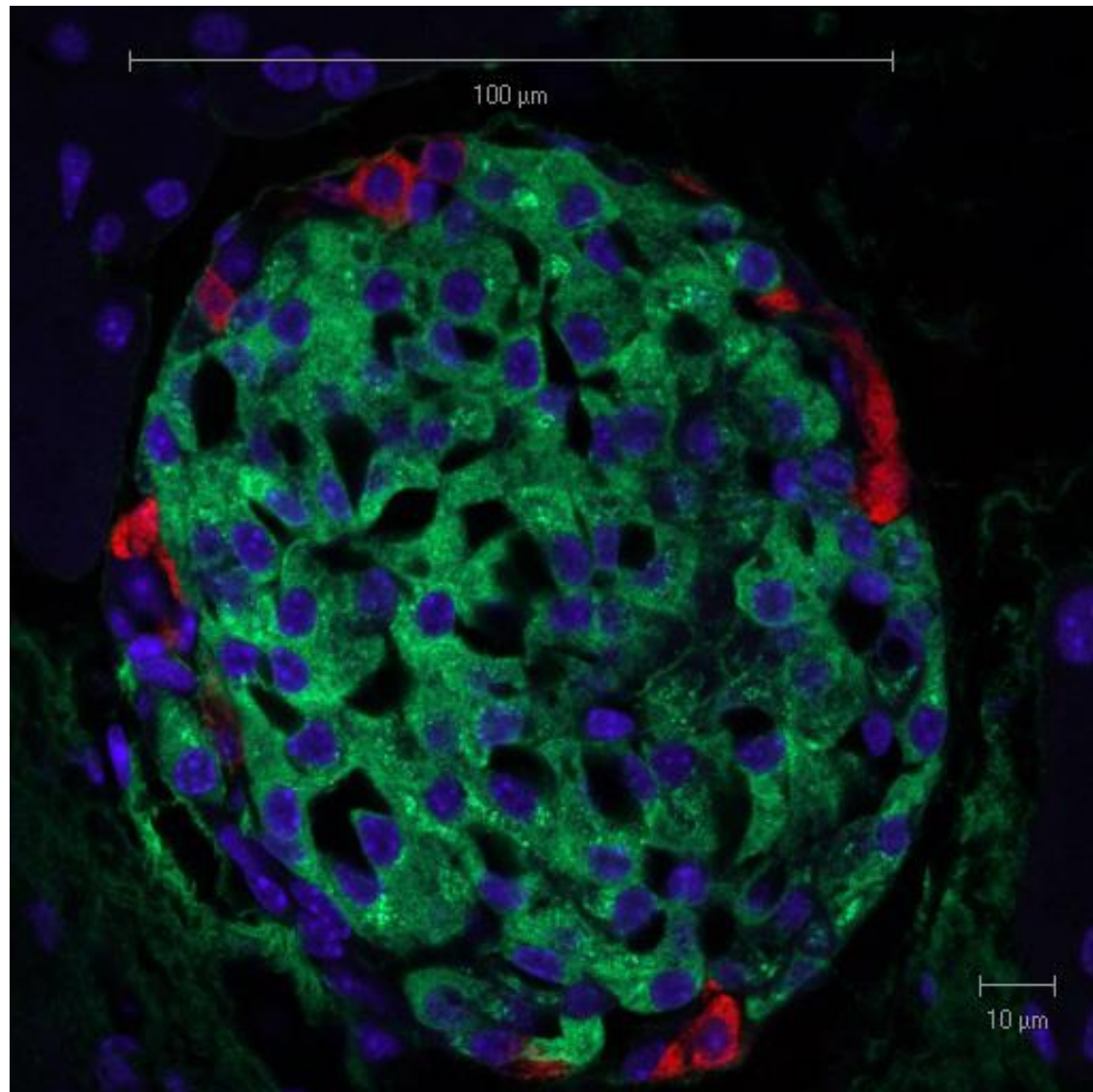
Glycolysis

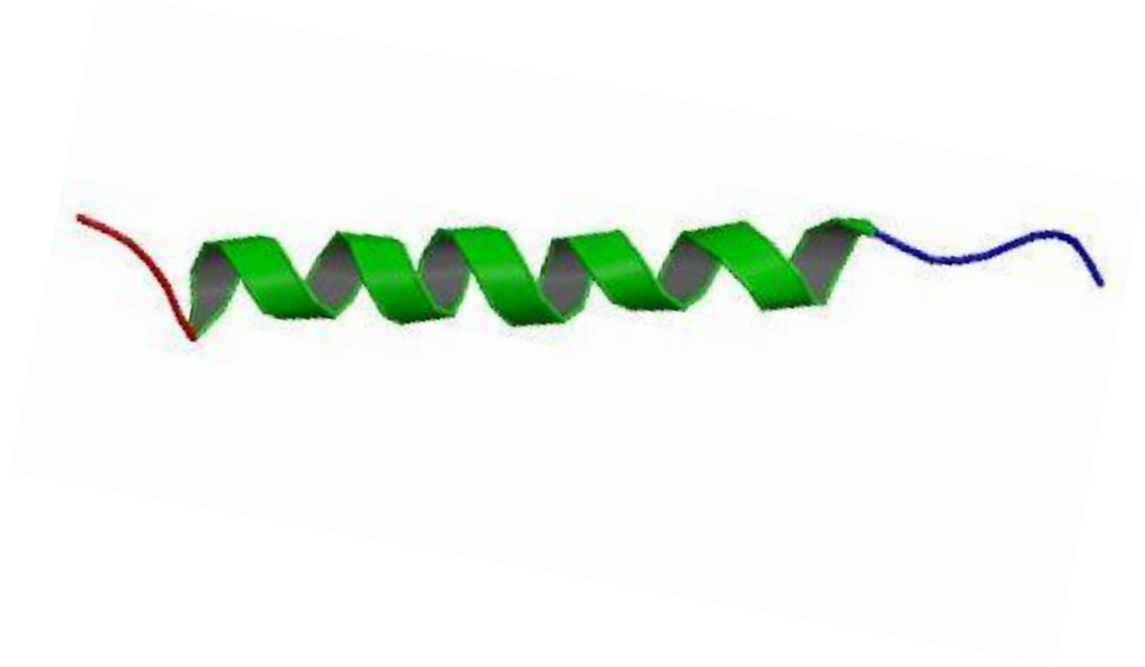
Gluconeogenesis

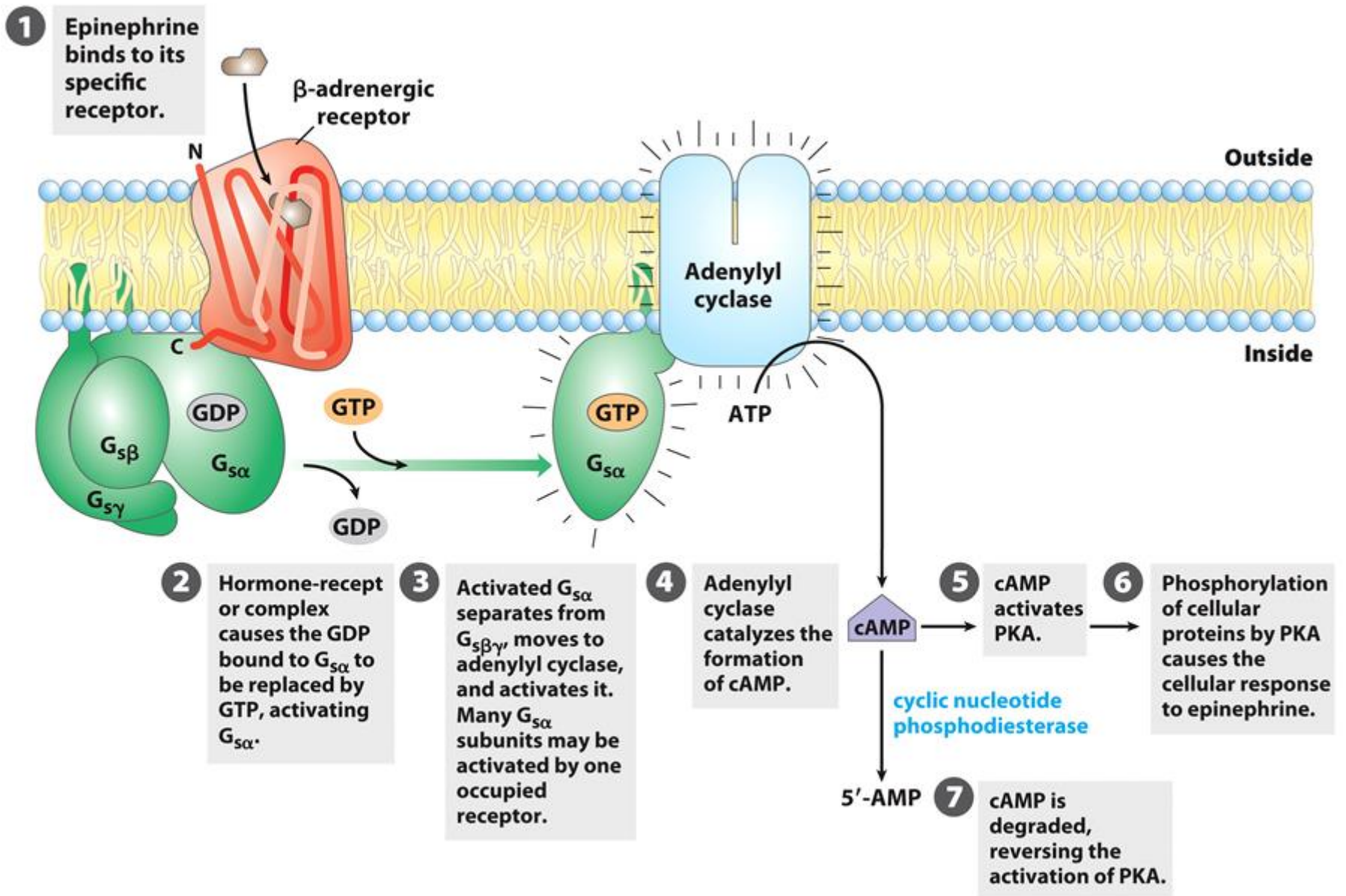
fructose-6-P

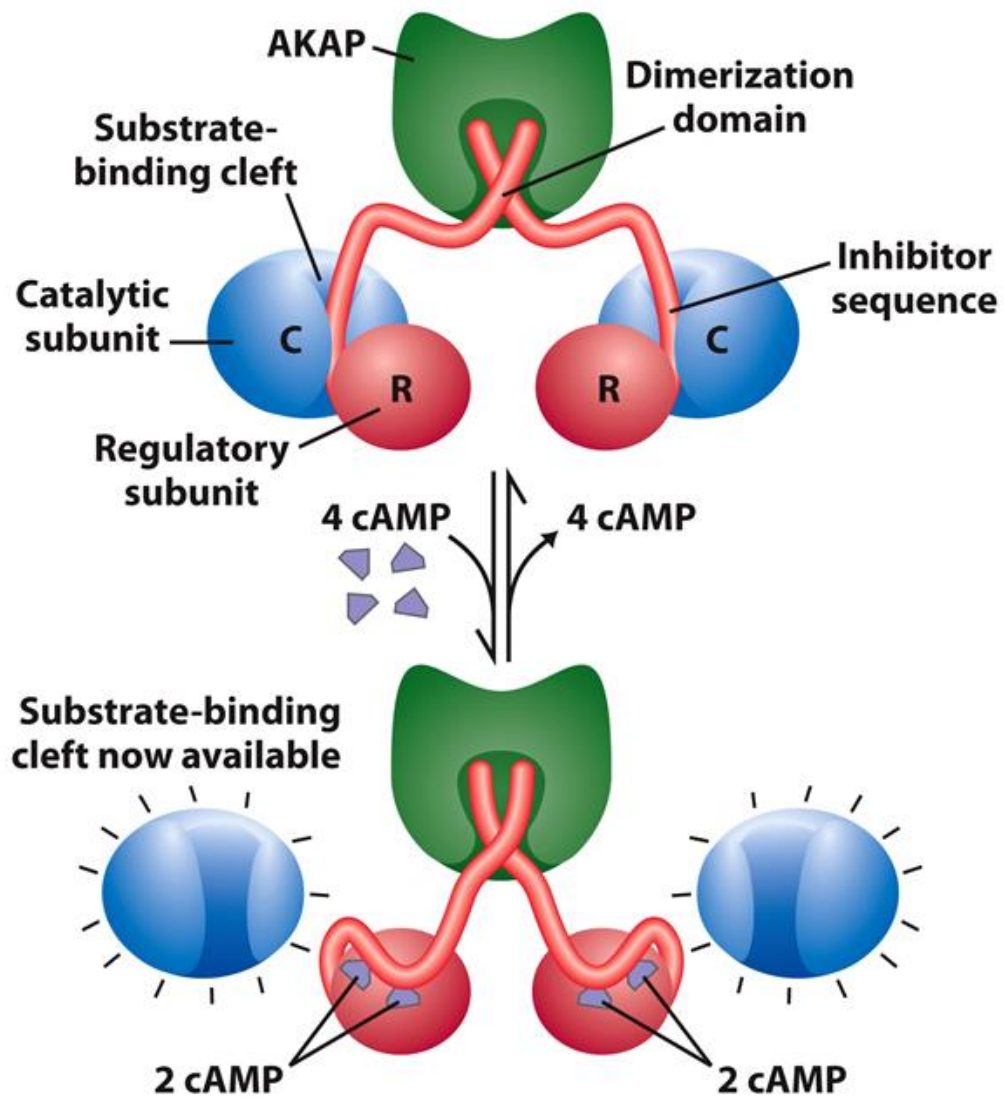


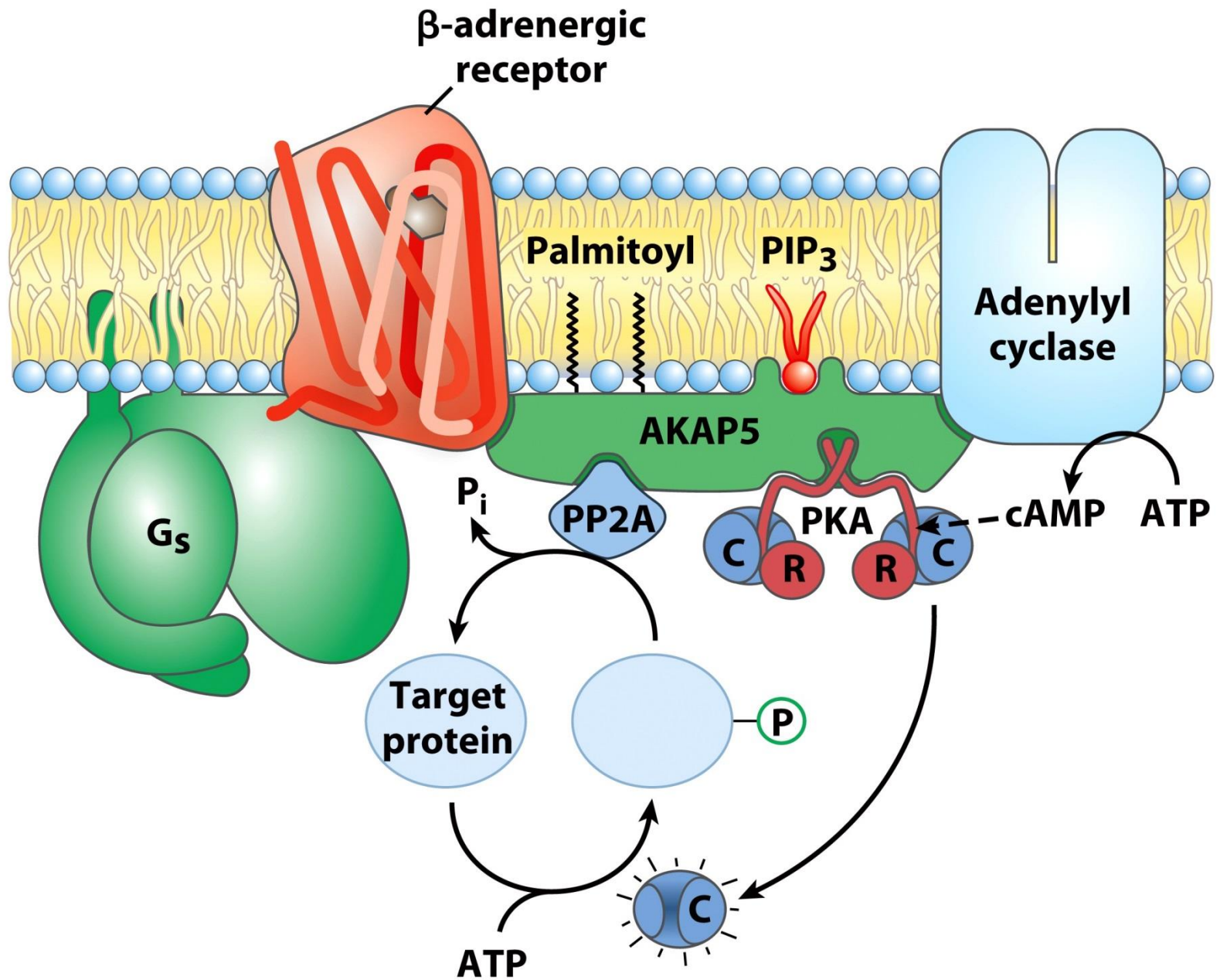
fructose-1,6-bisphosphate



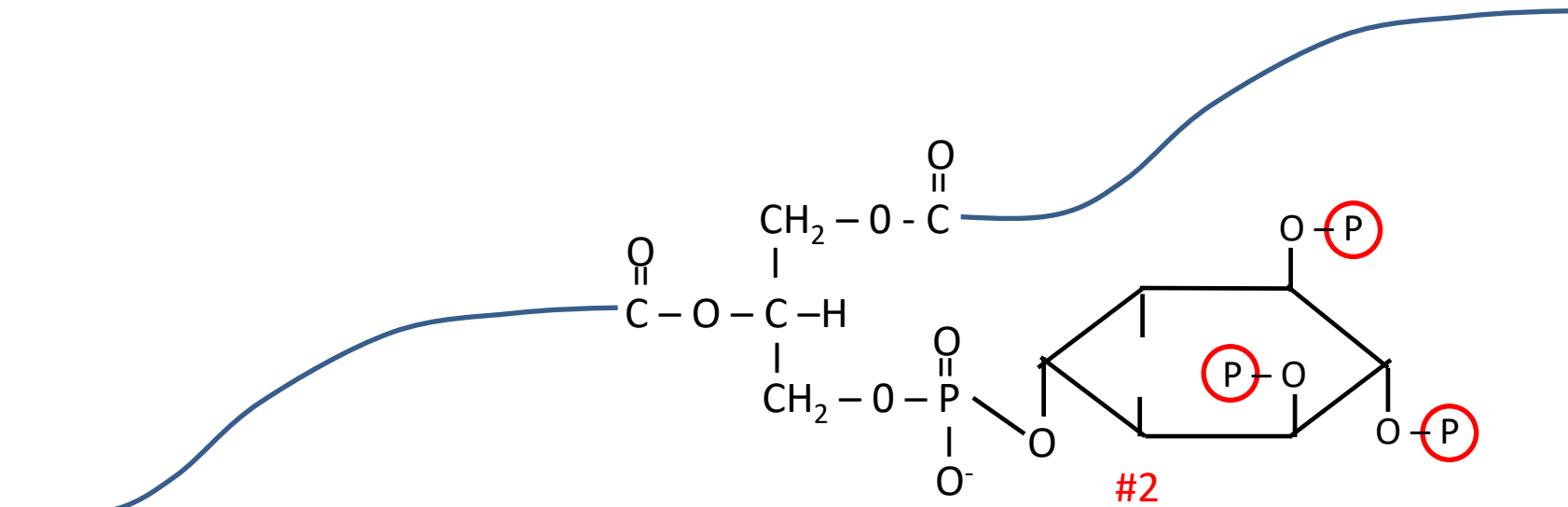








PIP₃



phosphatidylinositol 3,4,5-trisphosphate

