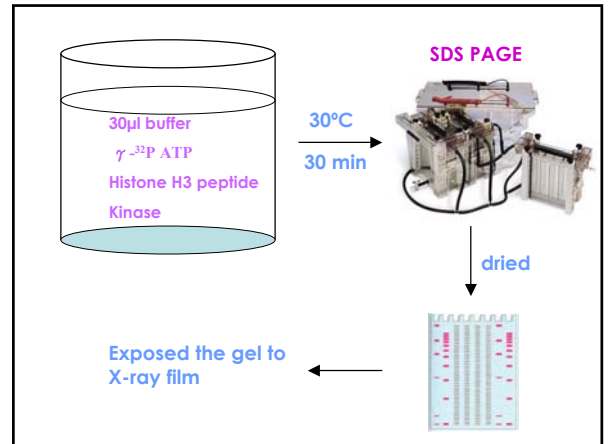


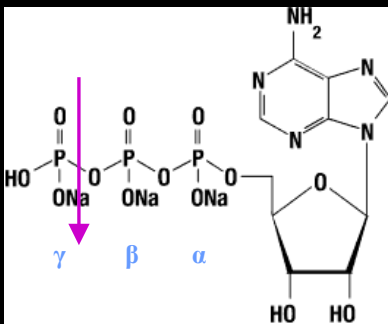
Kinase Assay

❖ Kinases are enzymes that catalyze the phosphorylation of certain molecules by ATP.

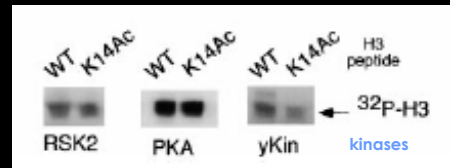
Purpose: to test on the histone H3 peptide, whether preacetylation at Lys-14 promotes phosphorylation at Ser-10.



ATP Structure



Result



WT: H3 wild type peptide

K14Ac: preacetylated Lys-14 H3 peptide

Phosphorylation by several histone H3 kinases was not affected by preacetylated H3.