Core molecular cAMP signaling machinery

Signaling protein class | Diversity
---|---
AC | 9 membrane-bound isoforms
CAMP PDE | 8 families (PDE1, PDE2, PDE3, PDE4, PDE7, PDE8, PDE10, PDE11)
PKA regulatory (R) subunit | 4 isoforms (RIα, RIβ, RIIα and RIIβ)
PKA catalytic (C) subunit | ≥3 isoforms (Cα, Cβ, PRKX)
AKAP | Encoded by >20 genes

PKA anchoring

Consensus: