

α_{1B} -Adrenoceptor phosphorylation.
Roles(s) of autocrine/ paracrine
Communication?

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ADRENERGIC RECEPTORS

α_1

α_{1A}

α_{1B}

α_{1D}

α_2

α_{2A}

α_{2B}

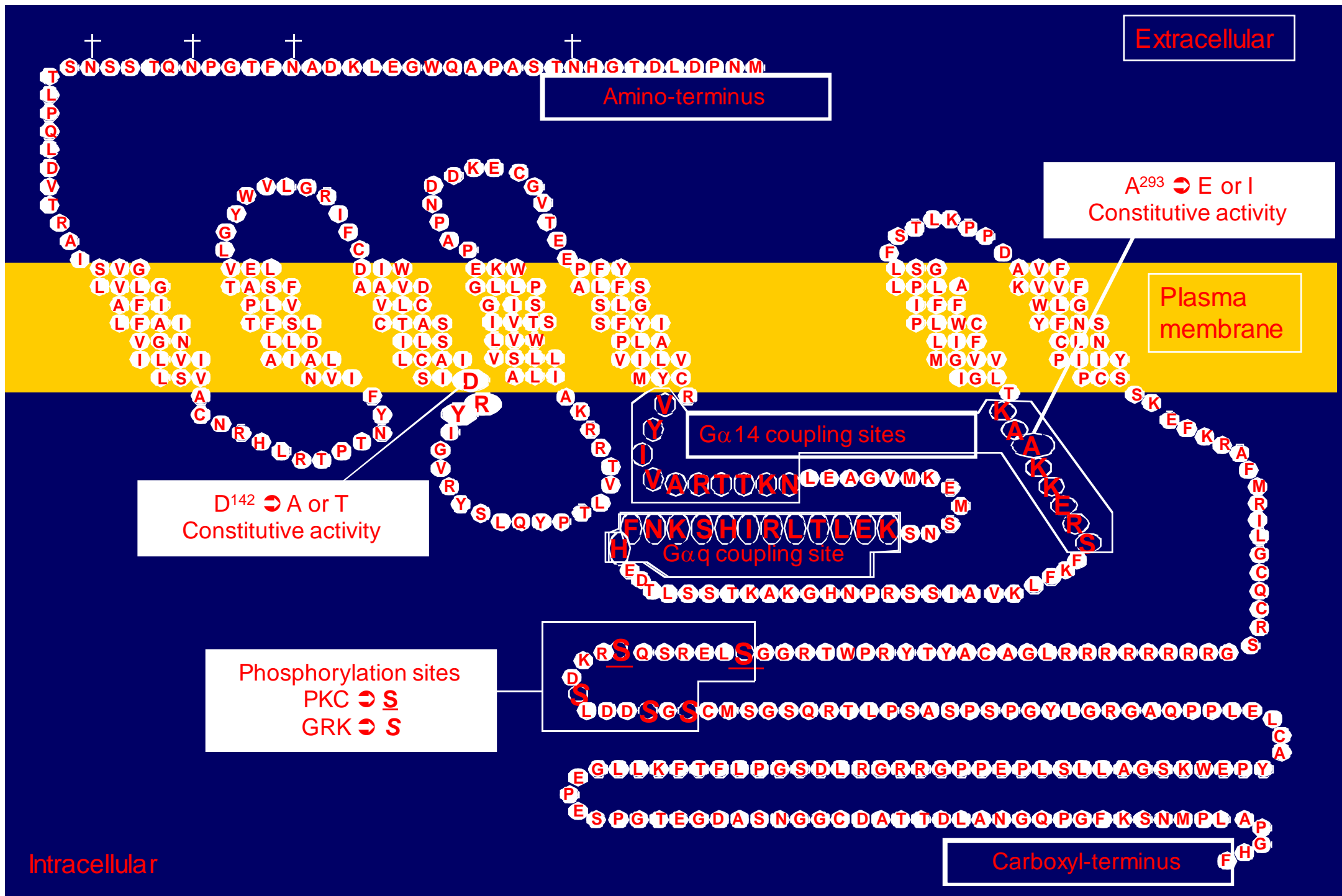
α_{2C}

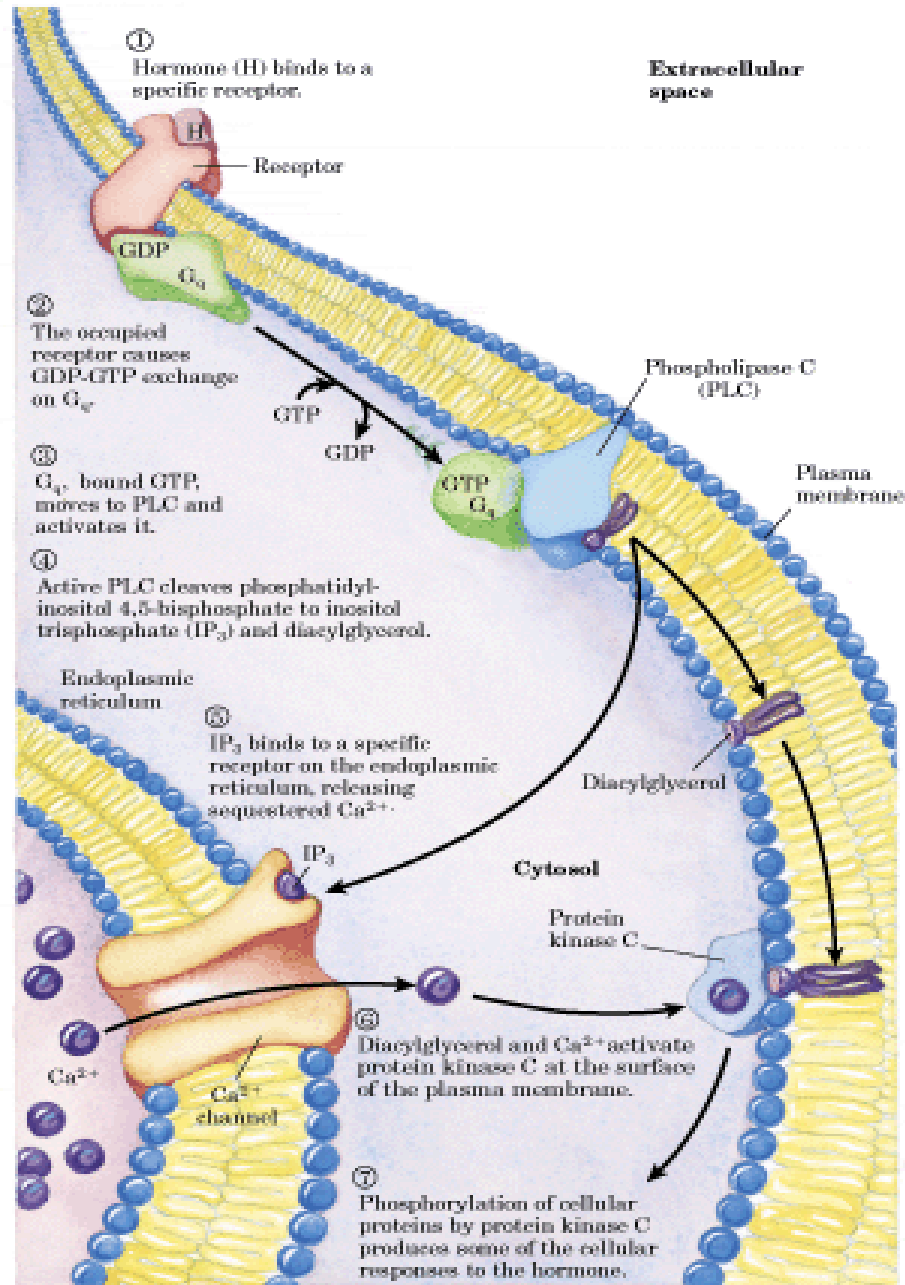
β

β_1

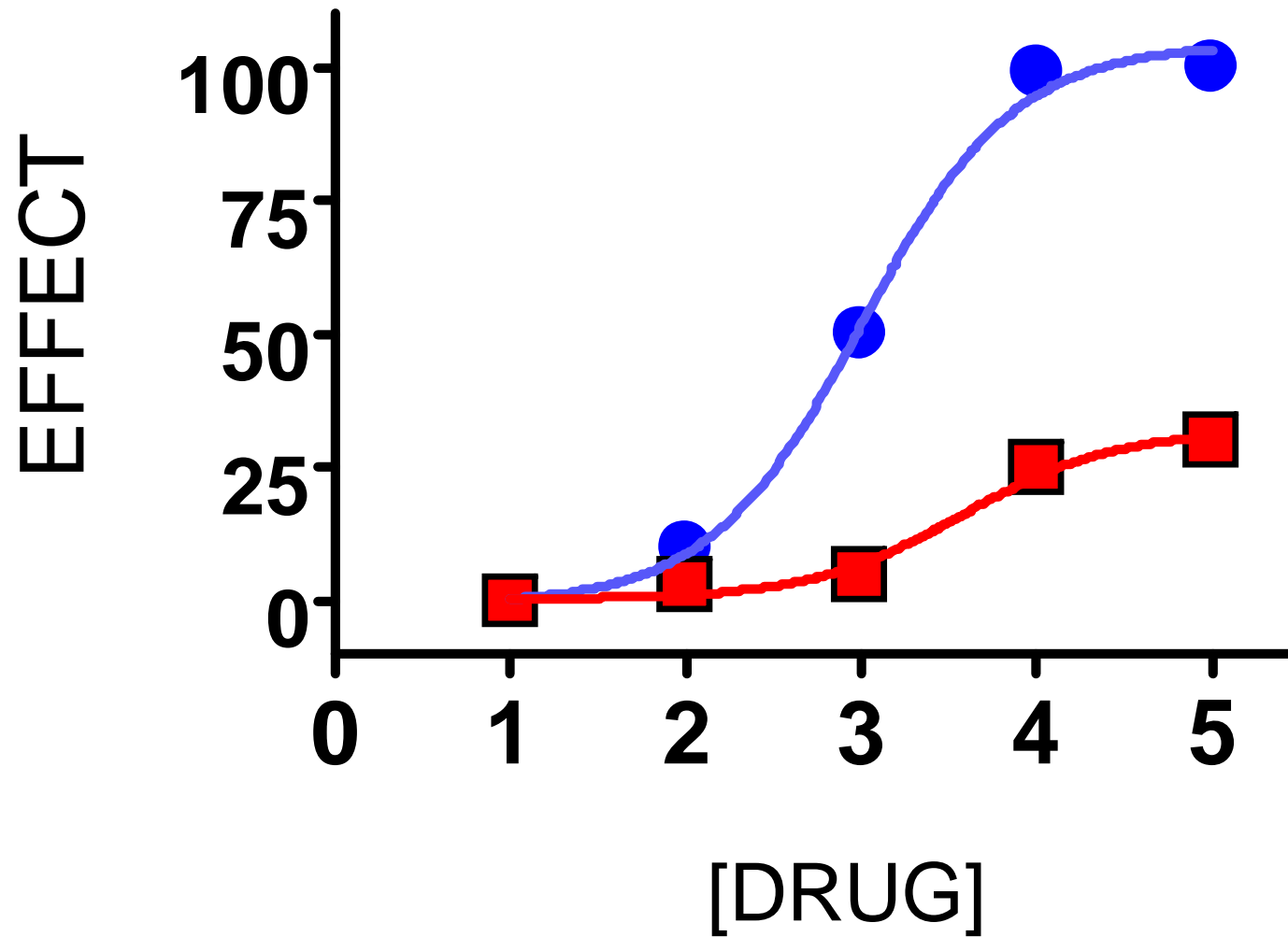
β_2

β_3

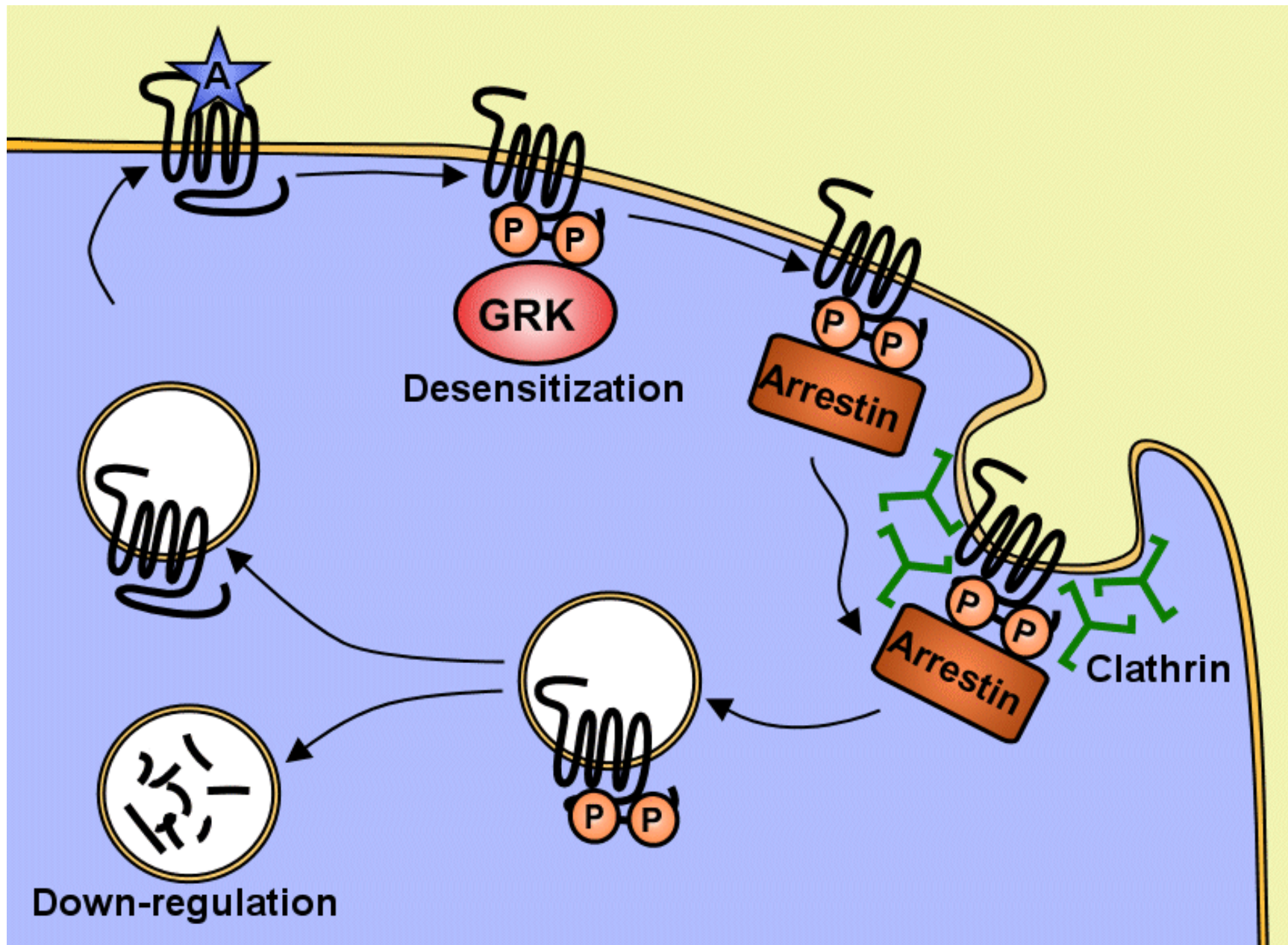


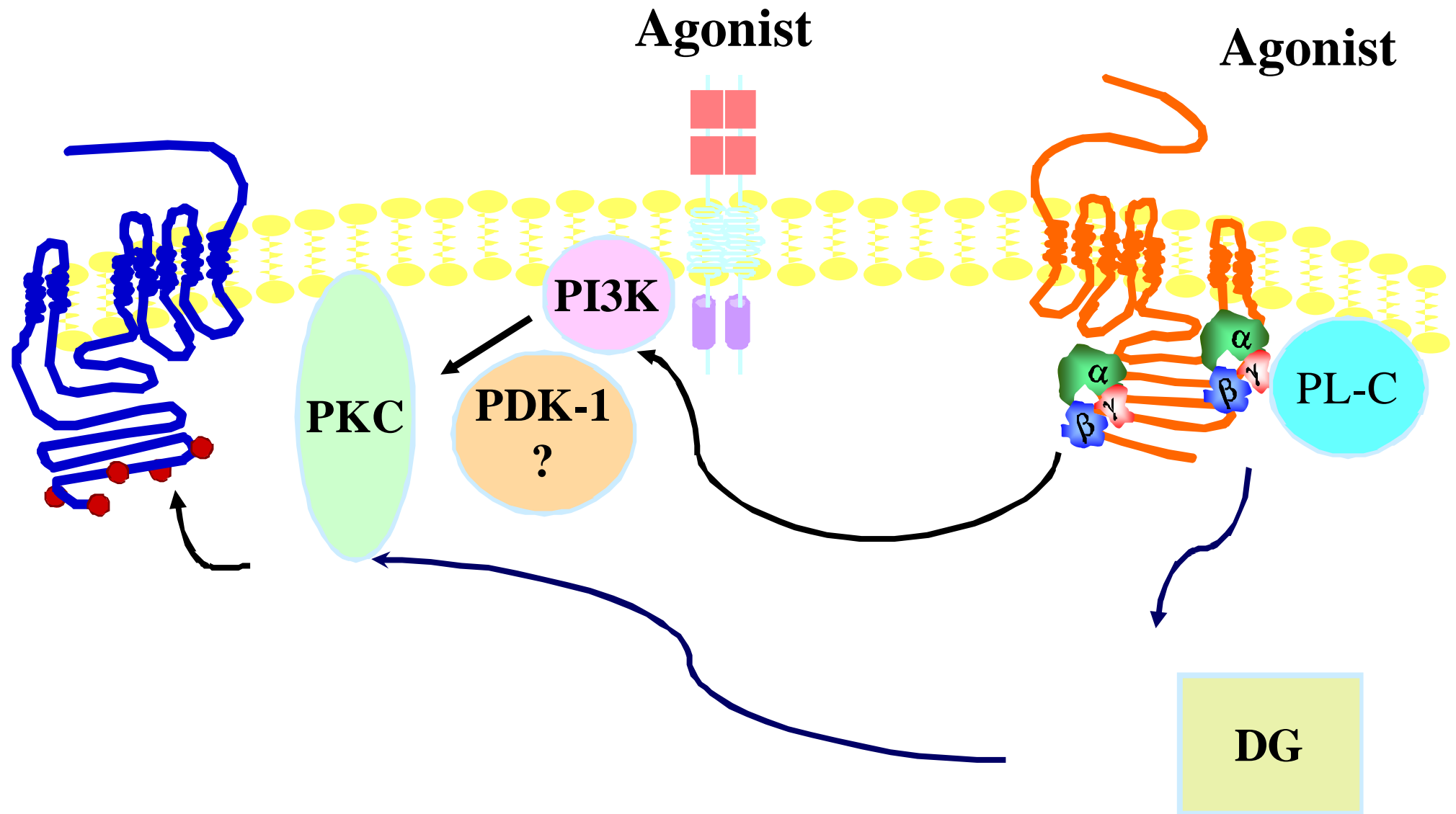


Desensitization



Homologous desensitization

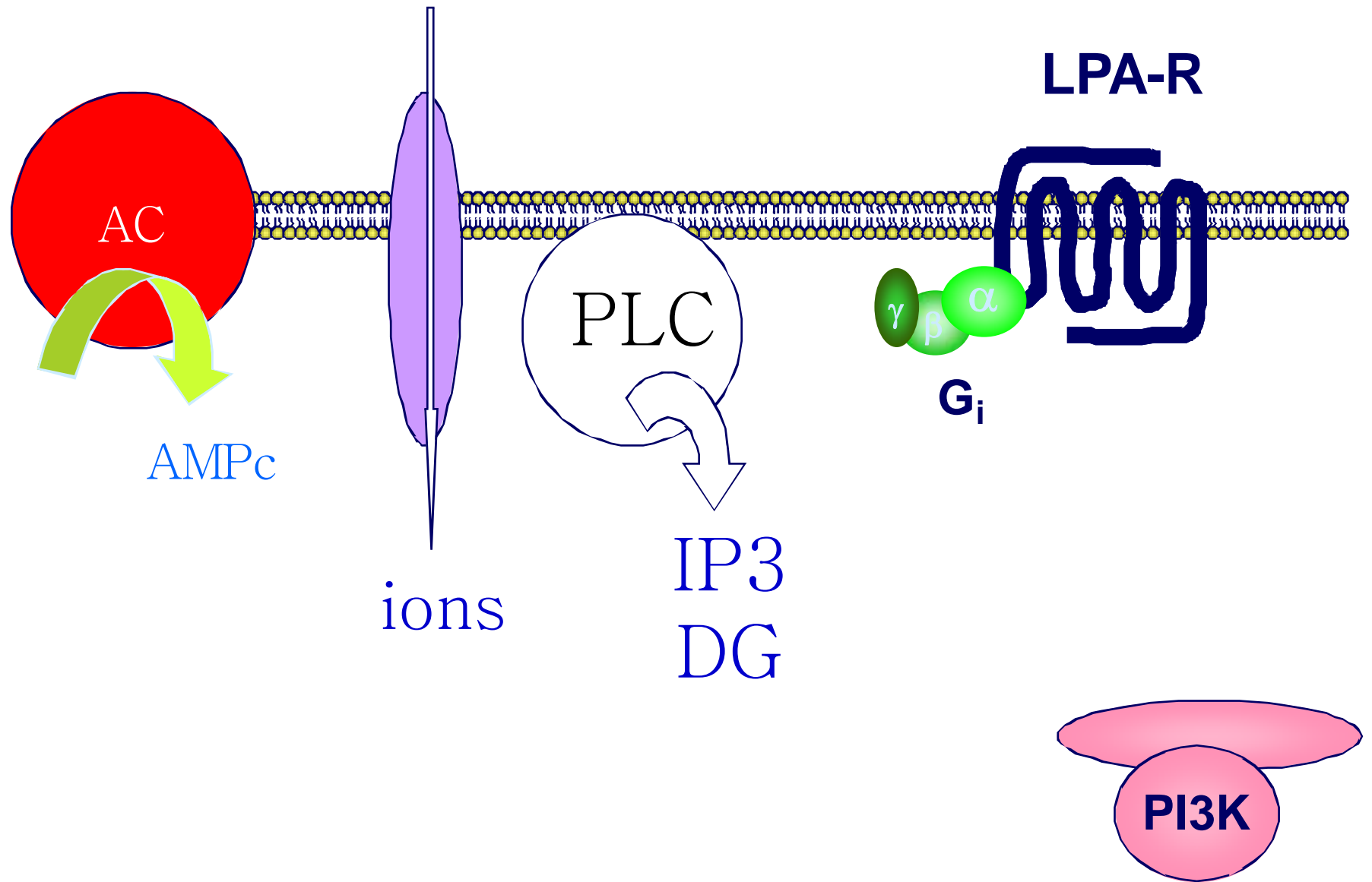


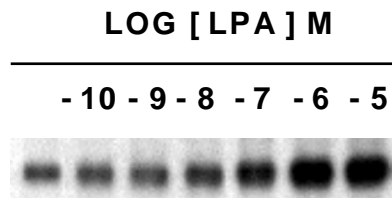


Heterologous desensitization

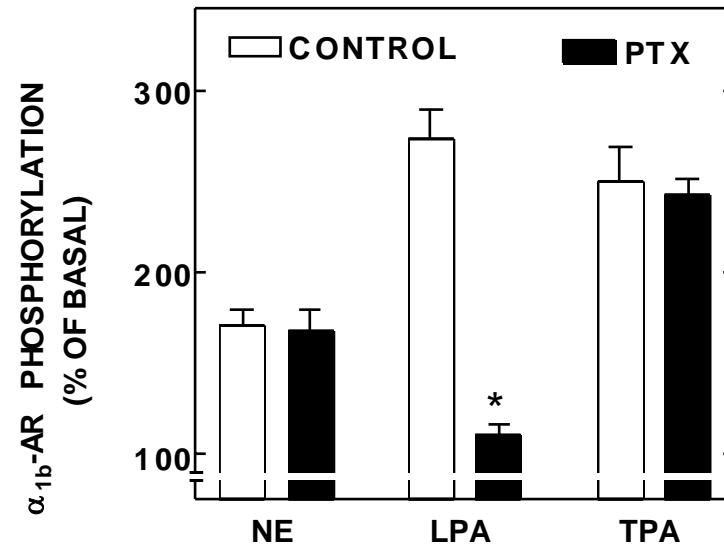
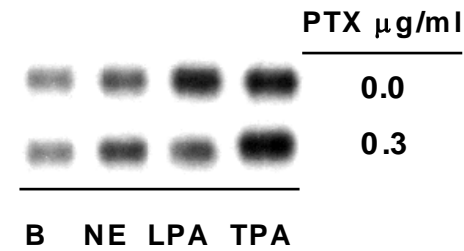
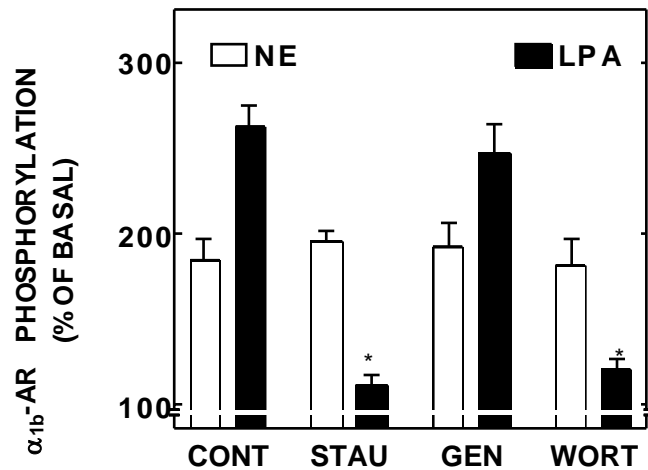
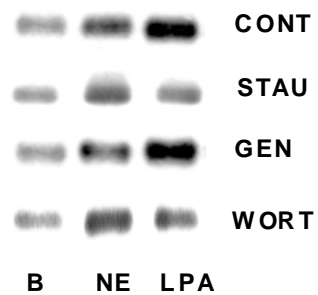
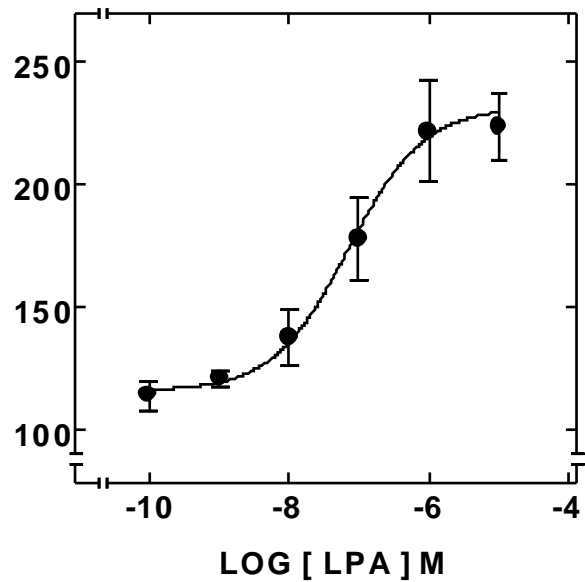
Does LPA induce
 α_{1B} -AR phosphorylation?

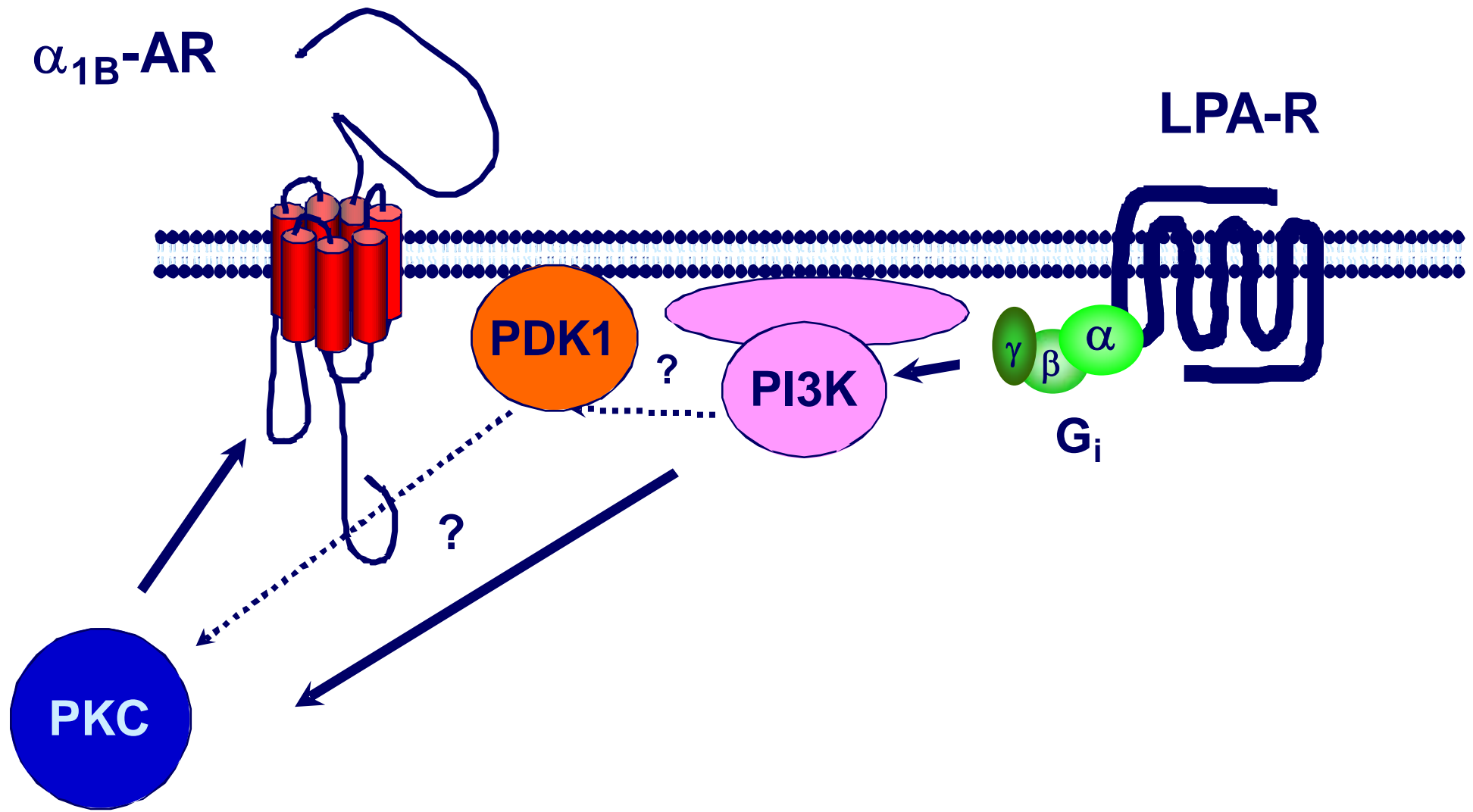
How does it take place?

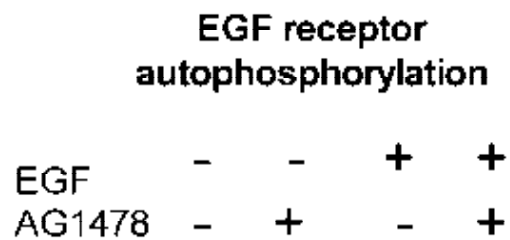
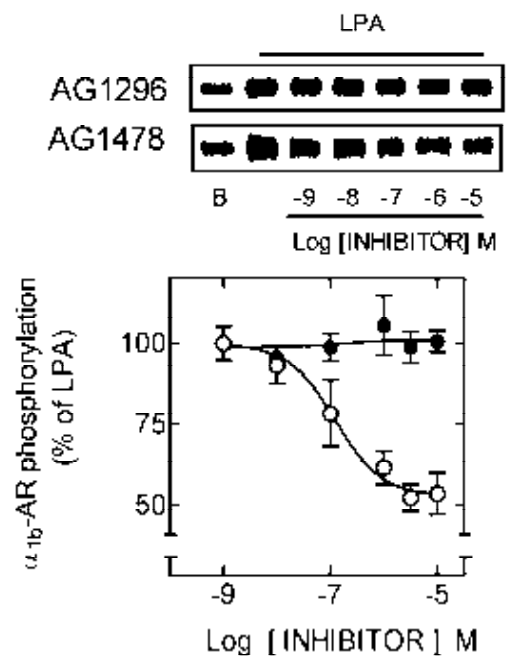
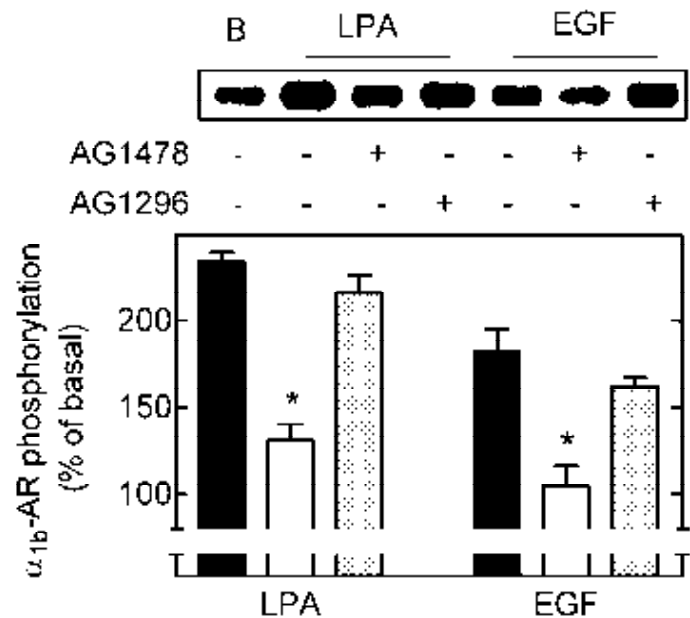
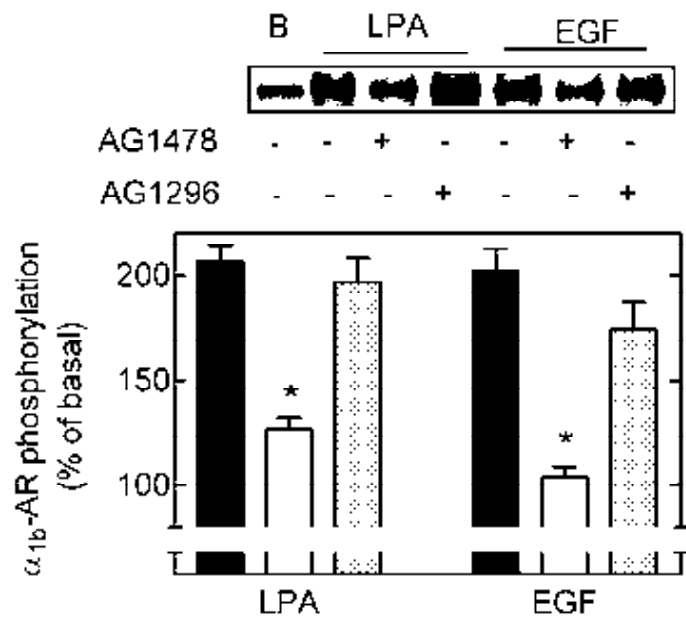


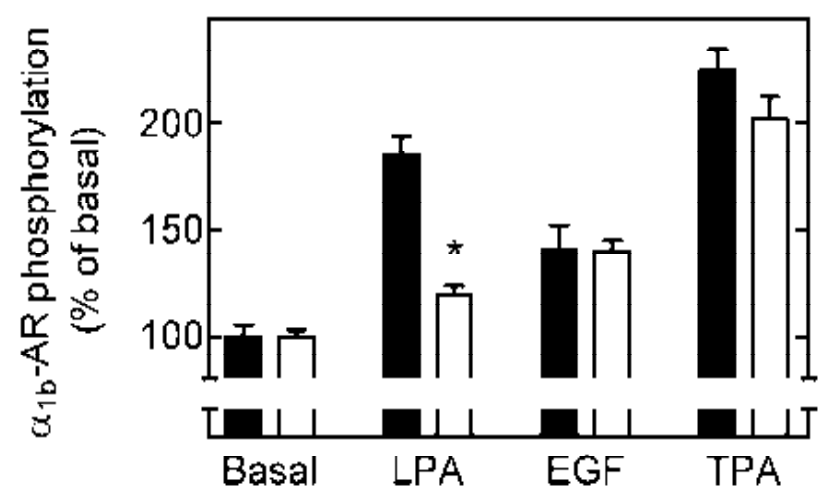
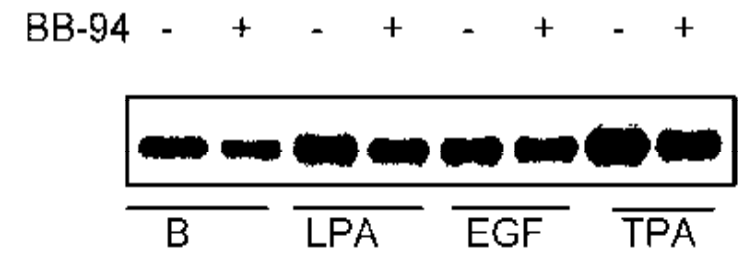
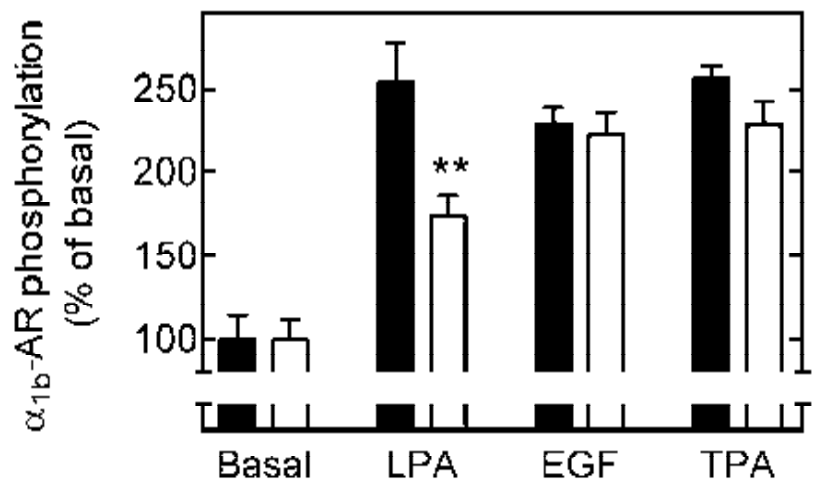
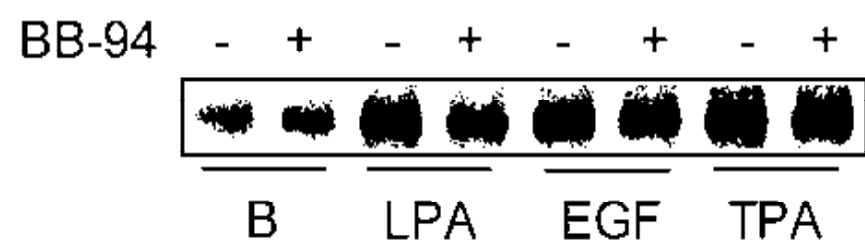


α_{1b} -AR PHOSPHORYLATION
(% OF BASAL)

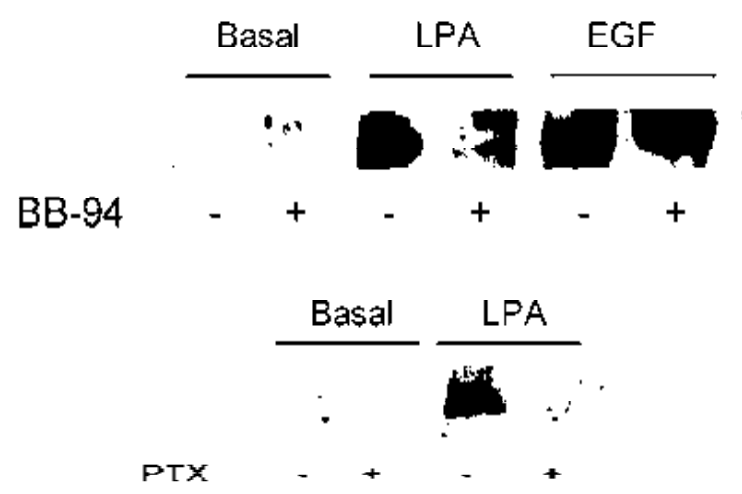








EGF receptor autophosphorylation



α -HB-EGF

- + - + - +

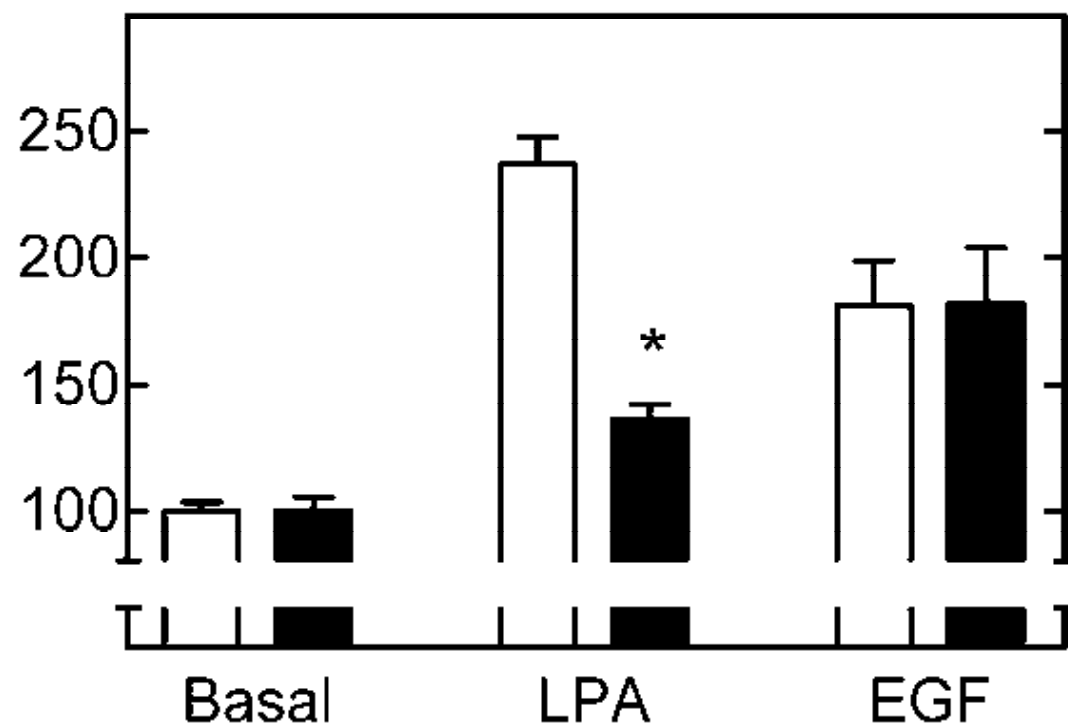


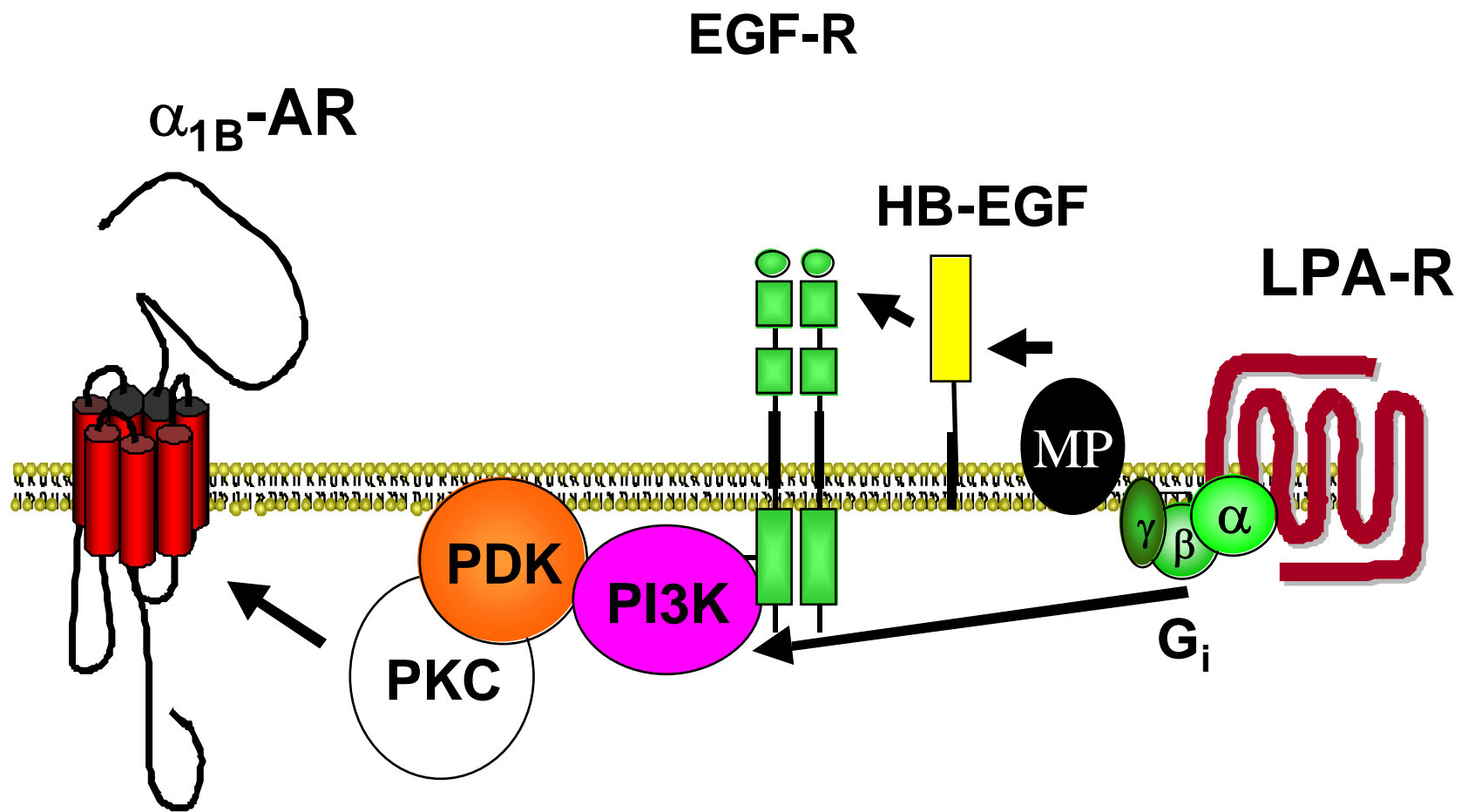
B

LPA

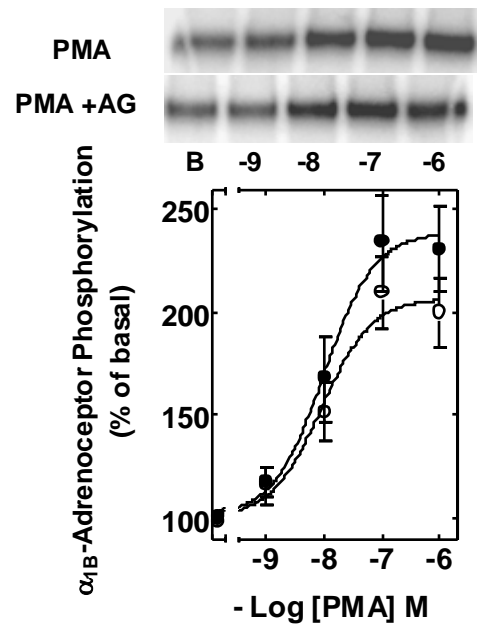
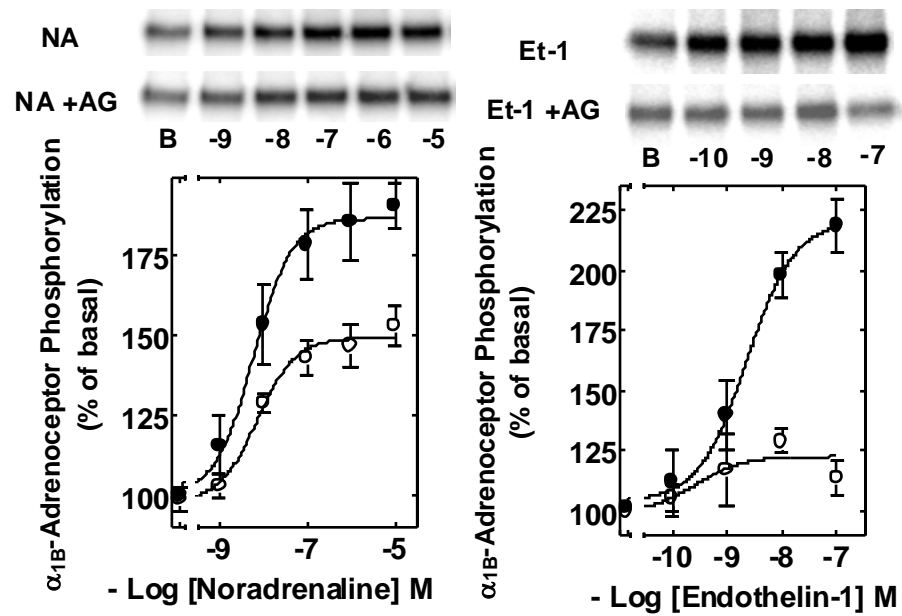
EGF

α_{1b} -AR phosphorylation
(% of basal)

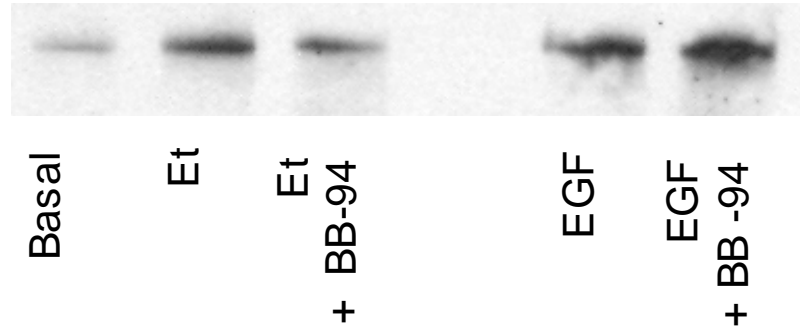
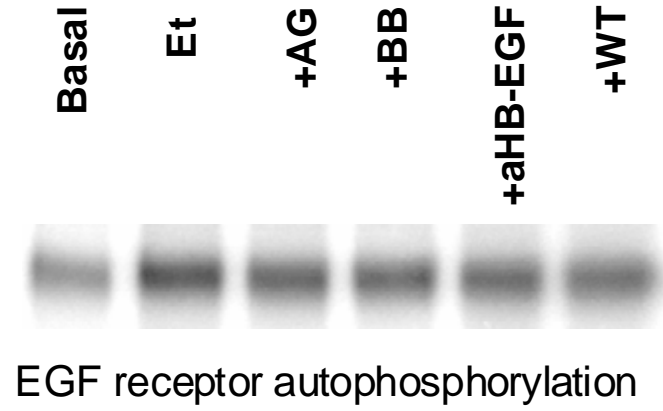
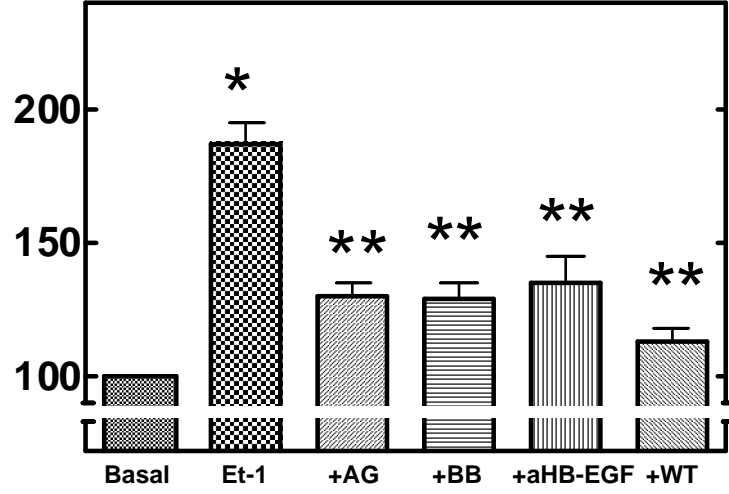




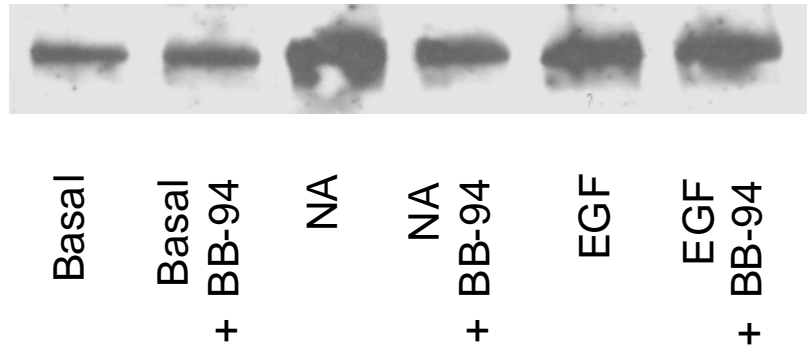
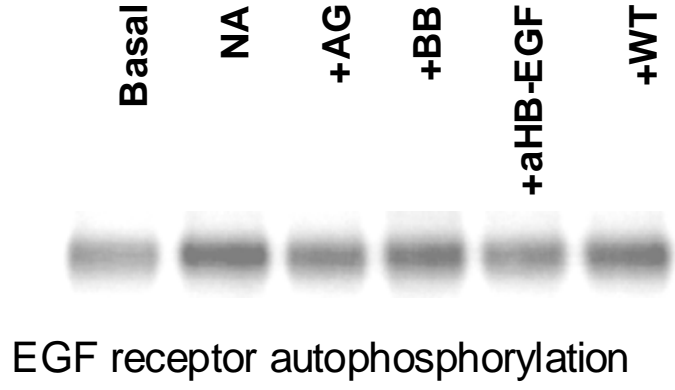
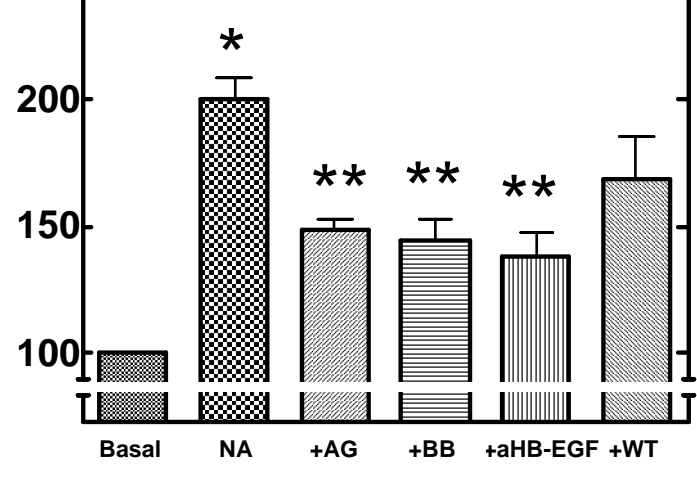
Is the EFG receptor role general ?



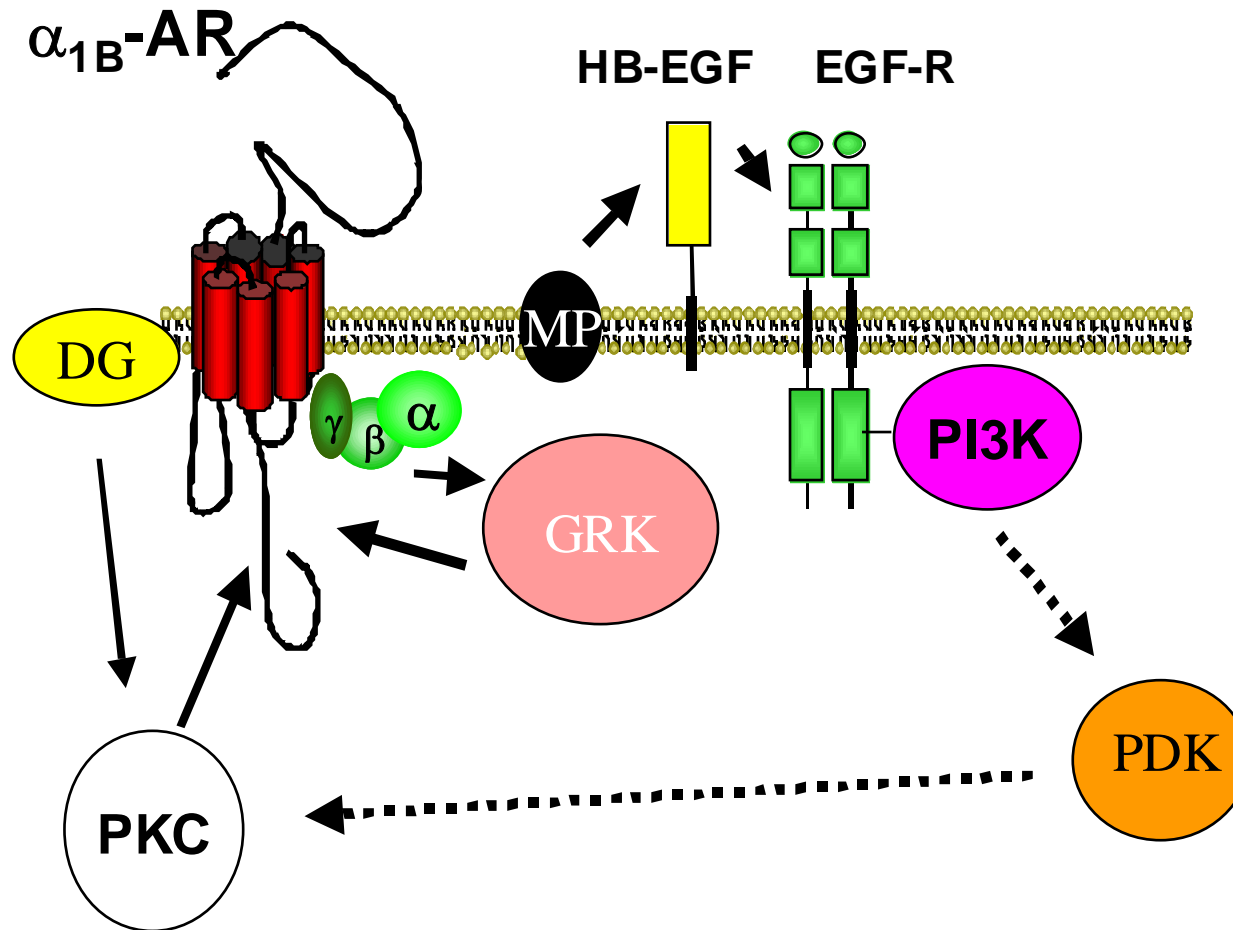
α_{1B} -Adrenoceptor Phosphorylation
(% of basal)



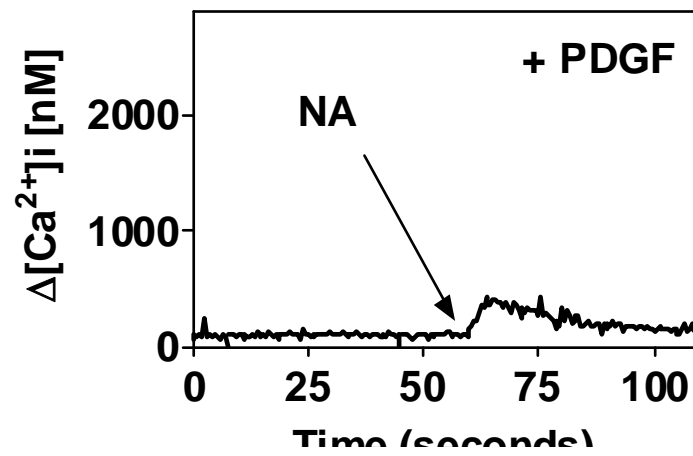
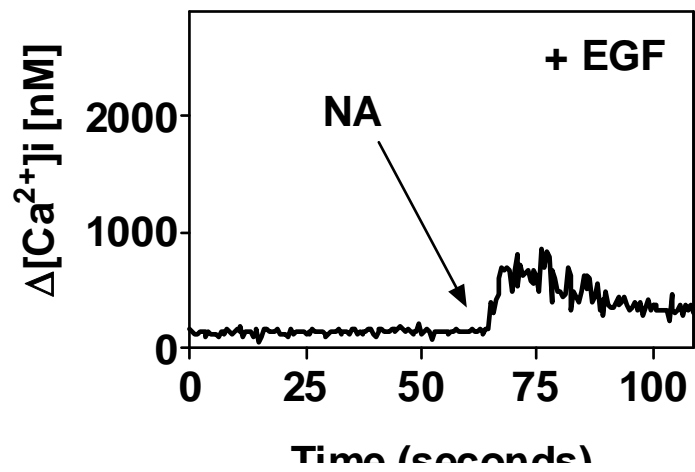
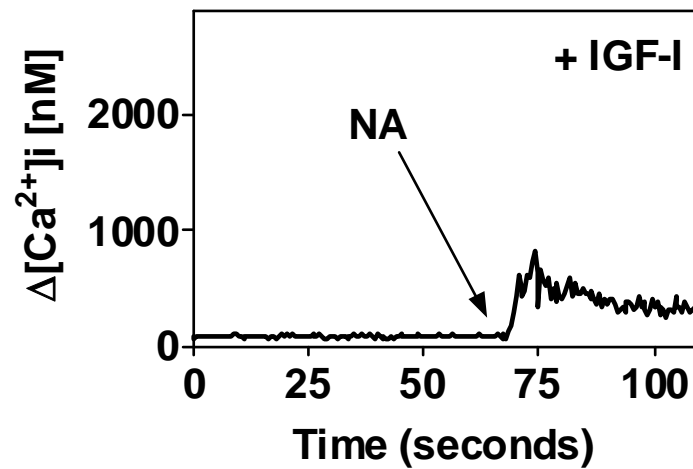
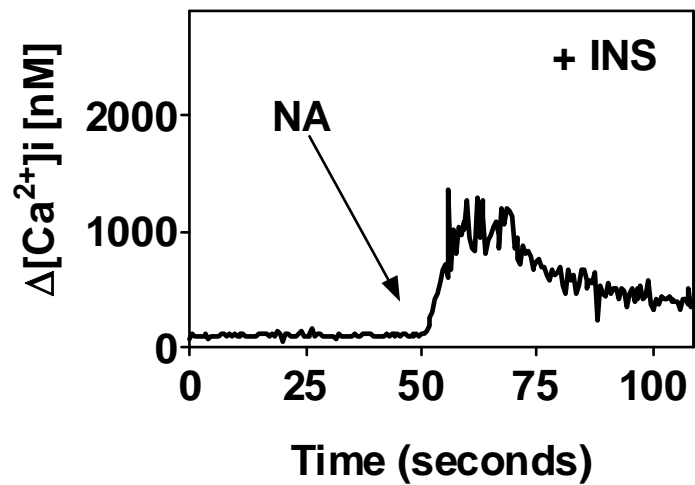
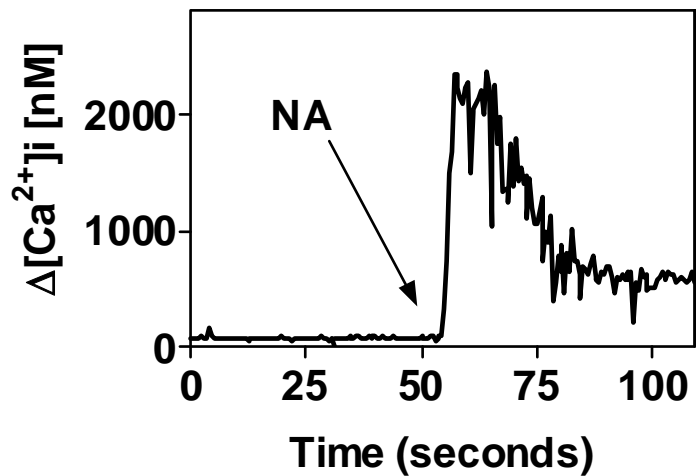
α_1 B-Adrenoceptor Phosphorylation
(% of basal)

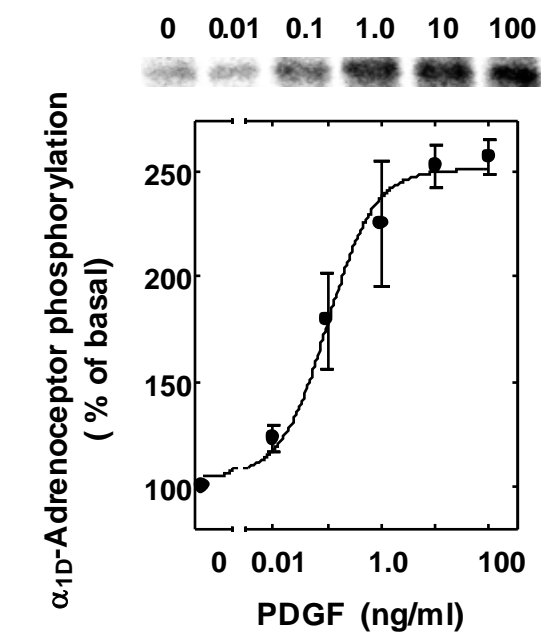
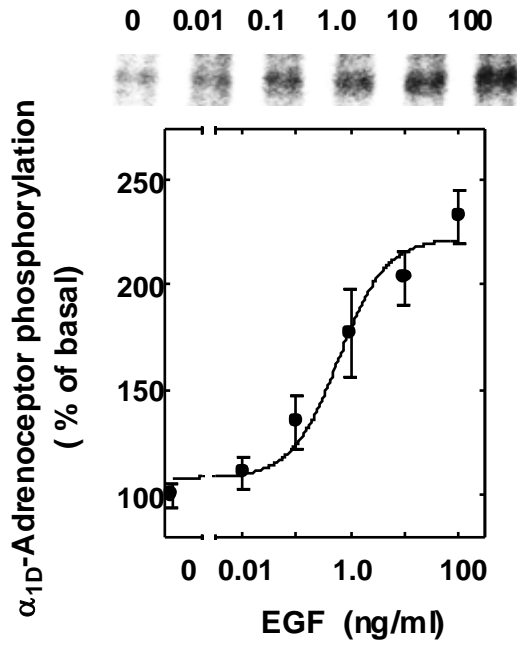
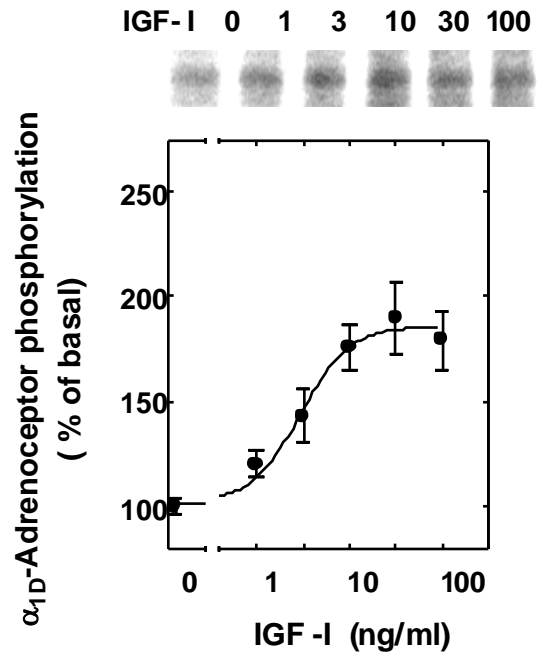
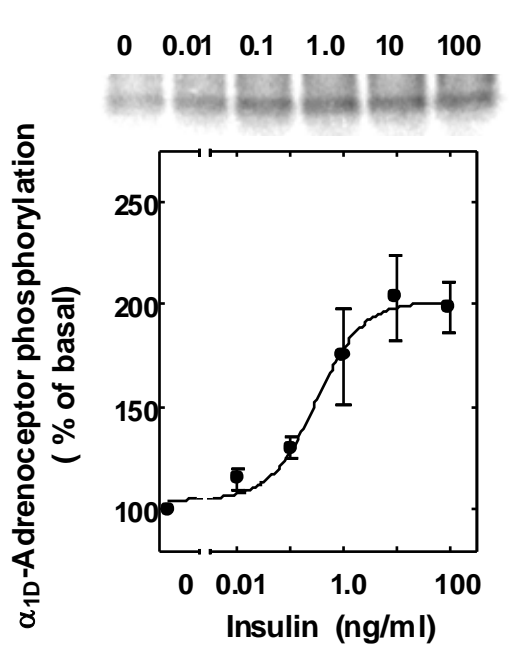


Model for α_{1B} -AR homologous desensitization



Does TRK activation induce α_{1D} -AR phosphorylation and desensitization?





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