

Endo – biochemistry

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Lecture 3

Mechanism of Hormone Action
Part 2

Done by :

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biochemistry -lecture (3)

:The wrong about IP₃ is.

- .A. a second messenger
- B contain 3 phosphate groups
- C. it is inositol 1,4,5 -phosphate
- D) bind to IP₃ gated channels on cell membrane

.answer: D

2The effector protein of diacylglycerol is

- .A- Phospholipase C :
- .B- Guanyly cyclase
- .C- Phosphatidylinositol
- .D- Protein kinase C

Answer: A

: Which of the following statement is correct about tyrosine kinase receptors(3

- .A- GRB2 binds to SOS with in turn interacts with the active ras
- .B- The first level of termination signals is degradation of the 2nd messenger
- .C- Ras is connected to the membrane by lipid anchor
- .D- SOS dissociation of GDP from adapter protein
- .E- Dimerization is not necessary to activate the receptor

Answer: C

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Lecture : 4

Nuclear Receptors

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Biochemistry -lecture (4)

1) Nuclear localization signal domain important for :

- A- Recognition of HRE.
- B- Link between LBD and DBD.
- C- Coactivators to E domain.
- D- Directing the hormone/receptor complex to HRE.

Answer:D

?All of the following is related to the DNA binding domains except(2

- A. mediates dimerization
- B. Contain zinc **finger** motifs if 10-20 a.a
- C) have the nuclear localization signal which recruits coactivator
- D. stabilize binding HRE to the receptor

Answer:C