

Second Messengers of Receptor Proteins

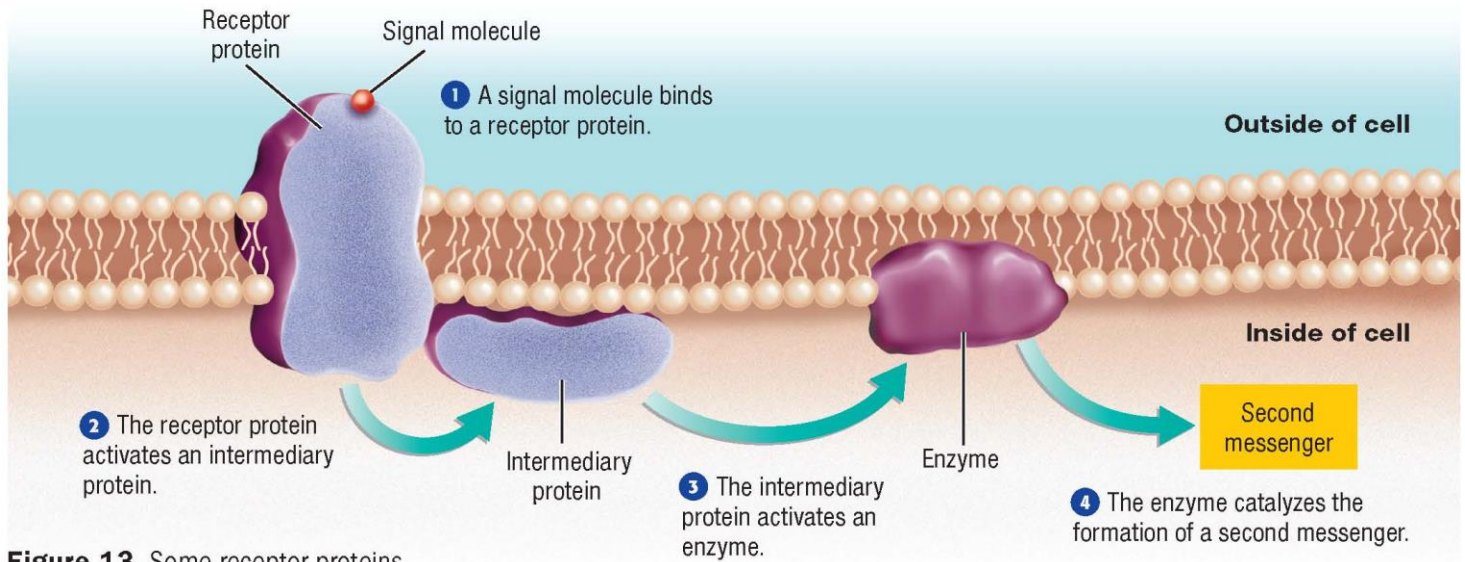


Figure 13 Some receptor proteins trigger the production of second messengers.

Summary

- Cells communicate and coordinate activity by sending chemical signals that carry information to other cells.
- A receptor protein binds only to the signals that match the specific shape of its binding site.
- The cell may respond to a signal by changing its membrane permeability, by activating enzymes, or by forming a second messenger.

Review

- What are the 3 different ways cells can communicate with one another?