

# Morphogen

**Morphogen** is a substance that determines the differentiation of cells of individual tissues. It spreads from local sources and its concentration changes after passing through individual tissues. It is a signal molecule that acts on cells directly (not through the bloodstream), and therefore its concentration is the decisive factor.

Known morphogens include, for example: transforming growth factor  $\beta$ , Sonic Hedgehog, epidermal growth factor or retinoic acid.

## Source

- Morphogen (<https://en.wikipedia.org/wiki/Morphogen>)