

DENDRITE

Meaning: DENDRITE: a branched extension of a neuron that receives signals from other neurons and transmits them towards the cell body.

1. The structure of a neuron includes a cell body, an axon, and multiple dendrites that receive signals from other neurons.
2. In the study of neurobiology, dendrites play a crucial role in the transmission of electrical impulses.
3. Researchers have discovered that the shape and branching of dendrites can significantly influence neuronal communication.
4. Damage to the dendrites can impair cognitive functions and lead to various neurological disorders.
5. The intricate pattern of dendrites resembles a tree, making them essential for understanding the complexity of the nervous system.

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