THE ENDOCANNABINOID SYSTEM

What is the ECS?

Our ECS consists of numerous cannnabinoid (CBD) receptors that are endogenous to the human brain, & play a pivotal role in physiological processes such as mood, memory, pain & appetite.

HOW does it work?

Cannabinoids link together with receptors to activate the neuron into action, carrying out cellular responses for homeostasis and healthy functioning.

Where is it located?

Our two main ECS receptors, CB1 & CB2 can be found within our brain, nervous system, as well as other organs and tissues.

CONCENTRATION OF CBD RECEPTORS

CB₁

- 1 Brain
- 2 Thyroid
- **3** Upper Airways
- 4 Liver
- 5 Adrenals
- 6 Ovaries
- **Uterus**
- Prostate
- Testes

CB₂

- Eye
- Stomach
- Heart
- 4 Pancreas
- 5 Digestive Tract
- Bone

Cerebral Cortex Higher Cognitive Function

Basal Ganglia Movement

Cerebellum

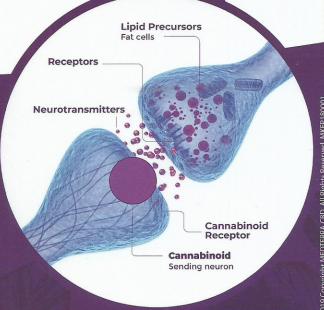
Movement

Hypothalamus Appetite

Hippocampus Learning, Memory

Medulla Nausea and vomiting, chemoreceptor

Spinal Cord
Peripheral Sensation including Pain



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