

HUMAN CANNABINOID SYSTEM

Concentrations of CBD receptors



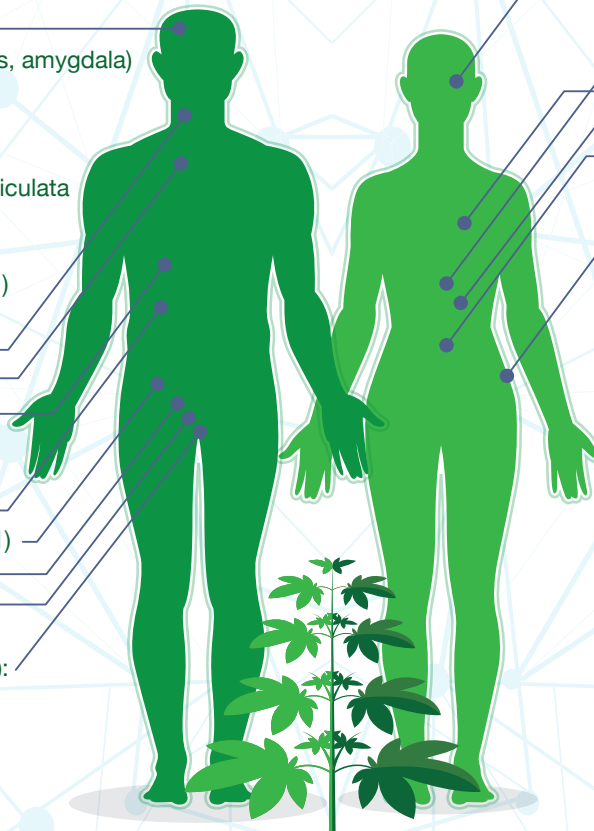
CB1 RECEPTORS ARE LOCATED IN CELLS OF THE:

- Brain/CNS/Spinal cord (CB1)**
- Cortical regions (CB1):**
(neocortex, pyriform cortex, hippocampus, amygdala)
- Cerebellum (CB1)**
- Brainstem (CB1)**
- Basal ganglia (CB1):**
globus pallidus, substantia nigra pars, reticulata
- Olfactory bulb (CB1)**
- Thalamus (CB1)**
- Hypothalamus (endocrine-brain link CB1)**
- Pituitary (CB1)**
- Thyroid (endocrine gland (CB1))**
- Upper Airways (of mammals CB1)**
- Liver (CB1):** kupffer cells (macrophage immune cells), hepatocytes (liver cell), hepatic stellate cells (fat storage cell)
- Adrenals (endocrine gland CB1)**
- Ovaries (gonads and endocrine gland CB1)**
- Uterus (myometrium CB1)**
- Prostate (CB1):** epithelial and smooth muscle cells
- Testes (gonads and endocrine gland CB1):**
leydig cells ; sperm cells

CB1 AND CB2 RECEPTORS ARE LOCATED IN CELLS OF THE:

- Eye (CB1 and CB2)**
retinal pigment epithelial/RPE cells
 - Stomach (CB1 and CB2):**
 - Heart (CB1 and CB2)**
 - Pancreas (CB1 and CB2)**
 - Digestive tract (CB1 and CB2)**
 - Bone (CB1 and CB2)**
- Non-CB1 and non-CB2 are located in cells of the:**
- Blood vessels:** epithelial cells of arterial blood vessels (non-CB1 and non-CB2)

- CB2 receptors are located in cells of the:**
- Lymphatic and Immune system**
- Spleen (CB2)
 - Thymus (CB2)
 - Tonsils (CB2)
 - Blood (CB2) lymphocytes
- Non-Immune cell CB2 receptors are found in the Skin keratinocytes**



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