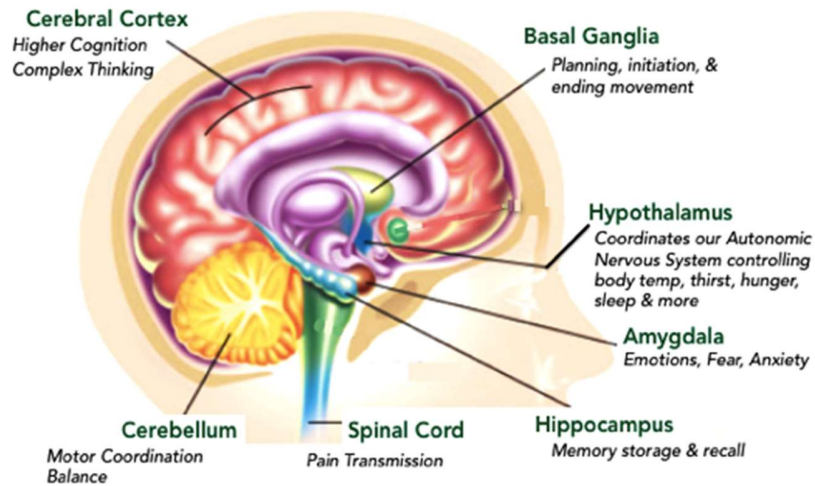


## WHY THC DOMINANT CANNABIS IS IMPORTANT IN BRAIN FUNCTION

CB1 Receptors (activated by the THC range of cannabinoids) are highly expressed in our brain and spinal cord (central nervous system), with large concentrations in our nociceptive areas (pain pathways), limbic system (emotion), moto control pathways and reward pathways. Below are some of the main areas in the brain with high CB1 expression.



CB1 Receptors have also been found in the periphery including the enteric nervous system (GI), peripheral neurons, adipocytes (fat cells), retina (eye), reproductive organs, colon tissues, lungs, adrenal glands, prostate and heart.

CB2 Receptors (activated by CBD range cannabinoids) are highly expressed throughout the immune system on immune cells. This means that CB2 activation has an inherent important role in pain, inflammation and physiological defence mechanisms. It is natural immunomodulatory receptor meaning that it can induce, enhance or suppress an immune response.

